ALASKA COURT SYSTEM

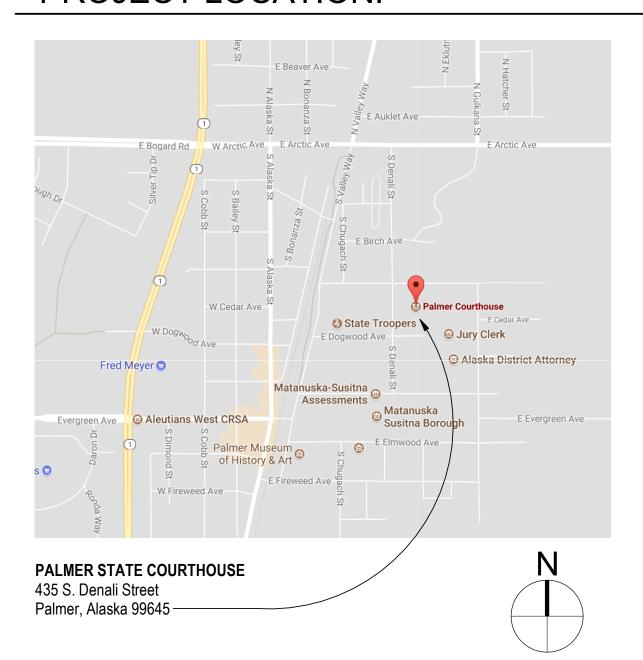
PALMER COURTHOUSE ROOF REPLACEMENT

#C-18-0002

Bid Documents Set

February 2, 2018

PROJECT LOCATION:



PROJECT TEAM

HAZARDOUS MATERIALS

Wasilla, Alaska 99654

MECHANICAL ENGINEER

Mechanical Engineer

jason.thoma@stantec.com

ELECTRICAL ENGINEER:

351 W Parks Highway

Lucas Schneller, **Electrical Engineer**

(907) 352-7822

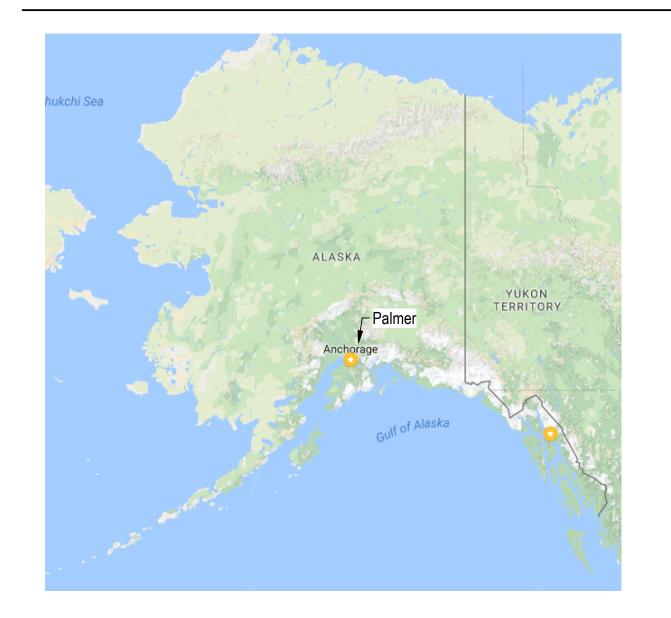
lucas.schneller@stantec.com

Phone:

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STATE OF ALASKA MAP:





Project No.:2046068501.2
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COVER SHEET

Drawing No.

A/E - Architect / Engineer AB - Anchor Bolt AC - Air Conditioning ACT - Acoustic Ceiling Tile AD - Access Door

ADA - The Americans with Disabilities Act ADDL - Additional ADH - Adhesive ADJ - Adjustable ADJC - Adjacent AFF - Above Finished Floor AH - Air Handler AL - Aluminum

ANOD - Anodized AP - Access Panel APPROX - Approximately ARCH - Architect ASC - Above Suspended Ceiling

ALT - Alternate

ASPH - Asphalt

BD - Board BETW - Between BLDG - Building BLKG - Blocking BM - Beam BO - Bottom Of BOT - Bottom BR - Brass BRZ - Bronze

BUR - Built-Up Roofing CEM - Cement **CEMTS - Cementitious** CHAN - Channel CHFR - Chamfer CI - Cast Iron CJ - Construction Joint CLG - Ceiling CLR - Clear CMU - Concrete Masonry Unit COL - Column COMP - Compressible CONC - Concrete CONN - Connection CONSTR - Construction

CONT - Continuous CONTR - Contractor COPP - Copper CSK - Countersunk DBL - Double **DEMO - Demolition** DEPT - Department DIA - Diameter DIM - Dimension DIV - Division DN - Down DR - Door DTL - Detail

DWG - Drawing (e) - Existing EA - Each EB - Expansion Bolt EF - Exhaust Fan EIFS - Exterior Insulation Finish System EJ - Expansion Joint EL - Elevation

ELAST - Elastomeric ELEC - Electrical ELEV - Elevator EMER - Emergency ENCL - Enclosure ENGR - Engineer ENTR - Entrance EP - Electrical Panel

EQ - Equal EQUIP - Equipment ETR - Existing to Remain EW - Each Way EXIST - Existing EXH - Exhaust

EXP - Expansion EXT - Exterior

EPDM - Ethylene Propylene Diene Monomer

F/F - Face to Face FA - Fire Alarm FACP - Fire Alarm Control Panel FB - Flat Bar FCO - Floor Clean Out FD - Floor Drain FDC - Fire Department Connection FDN - Foundation FE - Fire Extinguisher FEC - Fire Extinguisher Cabinet FHC - Fire Hose Cabinet FHP - Full Height Partition FIN - Finish FL - Flashing FLR - Floor FLUOR - Fluorescent FOC - Face of Concrete FOF - Face of Finish FOM - Face of Masonry FOS - Face of Stud FPRF - Fireproofing FR - Fire Resistant FRT - Fire Retardant Treated FS - Full Size FSH - Fire Sprinkler Head FSTP - Firestopping FT - Foot or Feet FTG - Footing

FTR - Fin Tube Radiation

FURR - Furring FUT - Future G - Gas GA - Gauge GALV - Galvanized GB - Grab Bar GC - General Contractor GEN - Generator GFRC - Glass Fiber Reinforced Concrete GFRG - Glass Fiber Reinforced Gypsum GL - Glass GND - Ground GR - Grade GRL - Grille GRTG - Grating GSKT - Gasket GT - Grout

GVL - Gravel GWB - Gypsum Wall Board HB - Hose Bibb HDW - Hardware HGR - Hanger HT - Height HORIZ - Horizontal

HP - High Point HVAC - Heat, Ventilation & Air Conditioning ID - Inside Diameter IF - Inside Face IN - Inch or Inches INSUL - Insulation

INT - Interior

JAN - Janitor JST - Joist JT - Joint L - Length or Left LAD - Ladder LB - Pound LF - Linear Foot or Feet LIN - Linear LNTL - Lintel LP - Low Point LT - Light

LTG - Lighting

LVR - Louver

LTWT - Lightweight

MACH - Machine MAINT - Maintenance MAS - Masonry MATL - Material MAX - Maximum MDF - Medium Density Fiberboard MECH - Mechanical MED - Medium MEMB - Membrane MF - Metal Flashing

MFR - Manufacturer MIN - Minimum MISC - Miscellaneous MO - Masonry Opening MTD - Mounted MTR - Mortar MTL - Metal MVBL - Movable

N - North NA - Not Applicable NAT - Natural NIC - Not In Contract NO - Number NOM - Nominal NTS - Not To Scale

OA - Overall OC - On Center OD - Outside Diameter OF - Outside Face OFCI - Owner Furnished/Contractor Installed OH - Overhead OPNG - Opening OPP - Opposite ORD - Overflow Roof Drain

PAR - Parallel PERF - Perforated PERIM - Perimeter PERP - Perpendicular PL - Plate PLAS - Plaster PLBG - Plumbing PLYWD - Plywood PNL - Panel POLY - Polyethelene PR - Pair

PREFAB - Prefabricated PREFIN - Prefinished PT - Pressure Treated PTD - Painted PTN - Partition PVC - Polyvinyl Chloride PV - Paver

RFG - Roofing

RLG - Railing

RM - Room

RH - Roof Hatch

RV - Roof Vent

RO - Rough Opening

RWL - Rain Water Leader

QTY - Quantity QUAL - Quality R - Radius RA - Return Air RBR - Rubber RCP - Reflected Ceiling Plan RD - Roof Drain REC - Recessed REF - Reference REG - Regular REINF - Reinforced or Reinforcing REM - Removable REQD - Required **REQMTS - Requirements**

S - South SA - Supply Air SAM - Self Adhered Membrane Flashing SCHED - Schedule

SCR - Screw SCRN - Screen SECT - Section SF - Square Foot or Feet SHT - Sheet SHTG - Sheathing SIM - Similar SM - Sheet Metal SPEC - Specifications SQ - Square SS - Stainless Steel ST - Street STAG - Stagger

STC - Sound Transmission Class STD - Standard STL - Steel STN - Stone STR - Structural SUSP - Suspended SYM - Symbol SYMM - Symmetrical S4S - Surface Four Sides

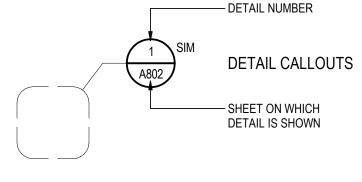
SYS - System T&B - Top and Bottom T&G - Tongue and Groove TBD - To Be Determined TBM - Top of Beam TC - Top of Concrete TEMP - Temporary TFF - Top of Finished Floor THK - Thickness THRES - Threshold

THRU - Through T.O. - Top Of TOC - Top Of Concrete TOL - Tolerance TOM - Top Of Masonry TOP - Top of Parapet TOS - Top Of Steel TOSL - Top of Slab TOW - Top Of Wall TRANS - Translucent TYP - Typical

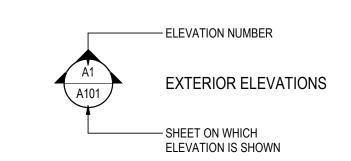
UL - Underwriters Laboratory UON - Unless Otherwise Noted UV - Ultraviolet VB - Vapor Barrier VER - Verify VERT - Vertical

VEST - Vestibule VIF - Contractor to Verify In Field VNR - Veneer VR - Vapor Retarder VTR - Vent to Roof VWC - Vinyl Wall Covering

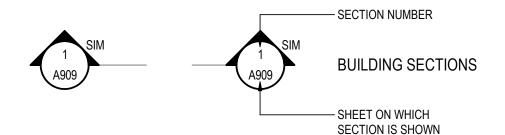
W - West W/ - With W/O - Without WB - Weather Barrier WD - Wood WLD - Welded WP - Working Point WT - Weight WTH - Width WTPRF - Waterproofing **GENERAL SYMBOLS**

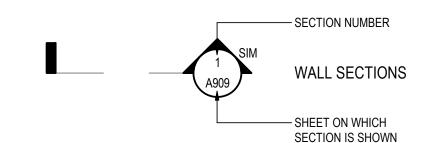


A802



- CALL OUT MODIFIER











APPLICABLE CODES:

roofed attics will be replaced.

The following codes have been adopted by the City of Palmer by ammendment under Title 15 of the Palmer City Code.

Title 15 Administrative Code (Chapters 15.00 & 15.02)

2015 International Building Code (IBC) (as amended by Chapters 15.04 & 15.08)

2015 International Existing Building Code (IEBC) (as amended by Chapters 15.10 & 15.11) 2015 International Mechanical Code (IMC) (as amended by Chapters 15.20 & 15.24)

2014 National Electrical Code (NEC) (as amended by Chapters 15.28 & 15.32)

2015 Uniform Plumbing Code (UPC) (as amended by Chapters 15.36 & 15.40)

PROJECT DESCRIPTION:

Project is comprised of a partial re-roof's at Alaska Court System's Palmer Courthouse Complex

The re-roof will be of what is refereed to the East Roof and the West Roof. Both roofs are large,

low-slope, "IRMA"-style roofs (IRMA = insulated over membrane, with paver ballast on top) with

sloped metal roofing adjacent. It will comprise demolition of the existing IRMA roof assembly

be retained and retro-fit drains installed in them to accommodate the new roof assembly

gets its hood replaced and its curb raised. Electrical work will include providing new code

roof to accomodate the new roof thickness. An air pressure sensor on each roof will be

more or less than 25% of the decking needs to be replaced, the Square Foot Unit Price

provided on the Bid Schedule Section 00300 will be used as a basis for credit or cost to the

Owner. Unit Price shall cover all materials; labor; overhead and profit; bonds and insurance.

or replacing. For purposes of bid comparison, 25% of decking replacement is 3,529 Square

Contractor shall schedule Owners representative to inspect exposed decking prior to covering

required receptacles, and extension and reconnecting of power to re-installed mechanical

devices such as exhaust fans. A portion of sloped metal roofing will be modified on the West

maintained in operation during construction. Three existing hatches serving the mansard metal

Base Bid requires the Contractor to demo and replace 25% of the existing plywood decking on

the assumption that existing decking will be too damaged or otherwise deteriorated for reuse. If

down to deck, and re-roof with an EPDM single-ply roof system. Existing roof drain bodies will

thickness, with no change to interior drain piping. Two roof hatch curbs and all plumbing vents

will be raised to accommodate new roof assembly thickness. An air intake on the East roof will

2015 International Fire Code (IFC) (as amended by Chapters 15.44 & 15.48)

2015 International Energy Conservation Code (IECC) (as amended by Chapters 15.57 & 15.58)

CODE NOTES:

CODE NOTES:

CODE INFORMATION TAKEN FROM 1999 EXPANSION DRAWINGS WHICH USED THE 1997 UNIFORM BUILDING

BUILDING TYPE: TYPE V 1-HOUR (WOOD FRAME)

OCCUPANCY TYPES:

A-3 - COURTROOOMS

B - OFFICES I-3 - PRISONER HOLDING AREAS

NO CHANGE IN OCCUPANCY, BUILDING TYPE, AREA OR HEIGHT FOR THIS PROJECT

EXISTING ROOF IS 1-HR RATED, ALLOWABLE PER 1997 UBC EXCEPTION 308.2.2.2, NEW ROOF ASSMEBLY MAINTAINS 1-HR RATING W/ NEW 5/8" TYPE X GYPSUM SHEATHING

BUILDING IS FULLY SPRINKLERED

GENERAL NOTES:

- 1. EXISTING CONDITIONS ARE SHOWN AS ACCURATELY AS POSSIBLE, SITE VERIFY ALL INFORMATION NOTED IN THESE CONTRACT DOCUMENTS. INFORMATION SHOWN ON THE DRAWINGS RELATED TO THE EXISTING BUILDING CONSTRUCTION HAS BEEN ASSUMED FROM THE RECORD DOCUMENTS MADE AVAILABLE TO THE ARCHITECT BY THE OWNER, AND MAY NOT BE ACCURATE. CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO STARTING DEMOLITION AND NEW WORK.
- A. RECORD DRAWINGS REFERENCED DURING DESIGN:
- a. ORIGINAL CONSTRUCTION 1987 "ALASKA STATE COURTHOUSE, PALMER, ALASKA" AS-BUILTS. b. 1999 "PALMER COURTHOUSE EXPANSION BID DOCUMENTS, PROJECT NO.
- C-99-0002" AS-BUILTS. 2. BUILDING MAY BE OCCUPIED DURING RE-ROOF WORK, COORDINATE WORK SCHEDULE WITH OWNER AND FACILITY MANAGER.
- 3. MATERIAL & EQUIPMENT STAGING ARE TO BE COORDINATED W/ OWNER AND FACILITY MANAGER. 4. CONTRACTOR TO ENSURE BUILDING SECURITY FROM THEFT AND VANDALISM.
- WHERE IT COULD BE COMPROMISED BY THE WORK, IS MAINTAINED THROUGH OUT CONSTRUCTION. 5. NOTIFY ARCHITECT IF WOOD SCHEDULED TO REMAIN IS FOUND DURING
- CONSTRUCTION TO BE DAMAGED OR DETERORIATED BEYOND RE-USE. CONTRACTOR TO ONLY LEAVE PORTION OF ROOF DECK EXPOSED THAT CAN BE ROOFED AND/OR MADE WEATHER TIGHT IN ONE DAY. NEW SELF-ADHERED VAPOR RETARDER MAY BE USED AS A TEMPORARY PROTECTION ROOF IF PROPERLY MADE WEATHER TIGHT.
- 7. CONTRACTOR RESPONSIBLE FOR DRAINING ROOF DURING RAIN EVENTS WHEN ROOF DRAINS MAY BE OUT-OF-SERVICE DUE TO DEMOLITION OR NEW WORK. 8. GRIDLINES SHOWN ON DRAWINGS ARE TAKEN FROM REFERENCED DOCUMENTS
- 9. CONTRACTOR TO SCHEDULE MEETINGS WITH OWNER TO FIELD VERIFY ALL ROOFTOP SYSTEMS FUNCTION PRIOR TO DEMO AND PRIOR TO SUBSTANTIAL COMPLETION, INCLUDING BUT NOT LIMITED TO EXHAUST FANS AND PRESSURE SENSORS.

Permit/Seal Ross B. Timm No.A-11339 NOFESSION

ALASKA SYSTEM Project No.:2046068501.2 File Name: N/A Scale:

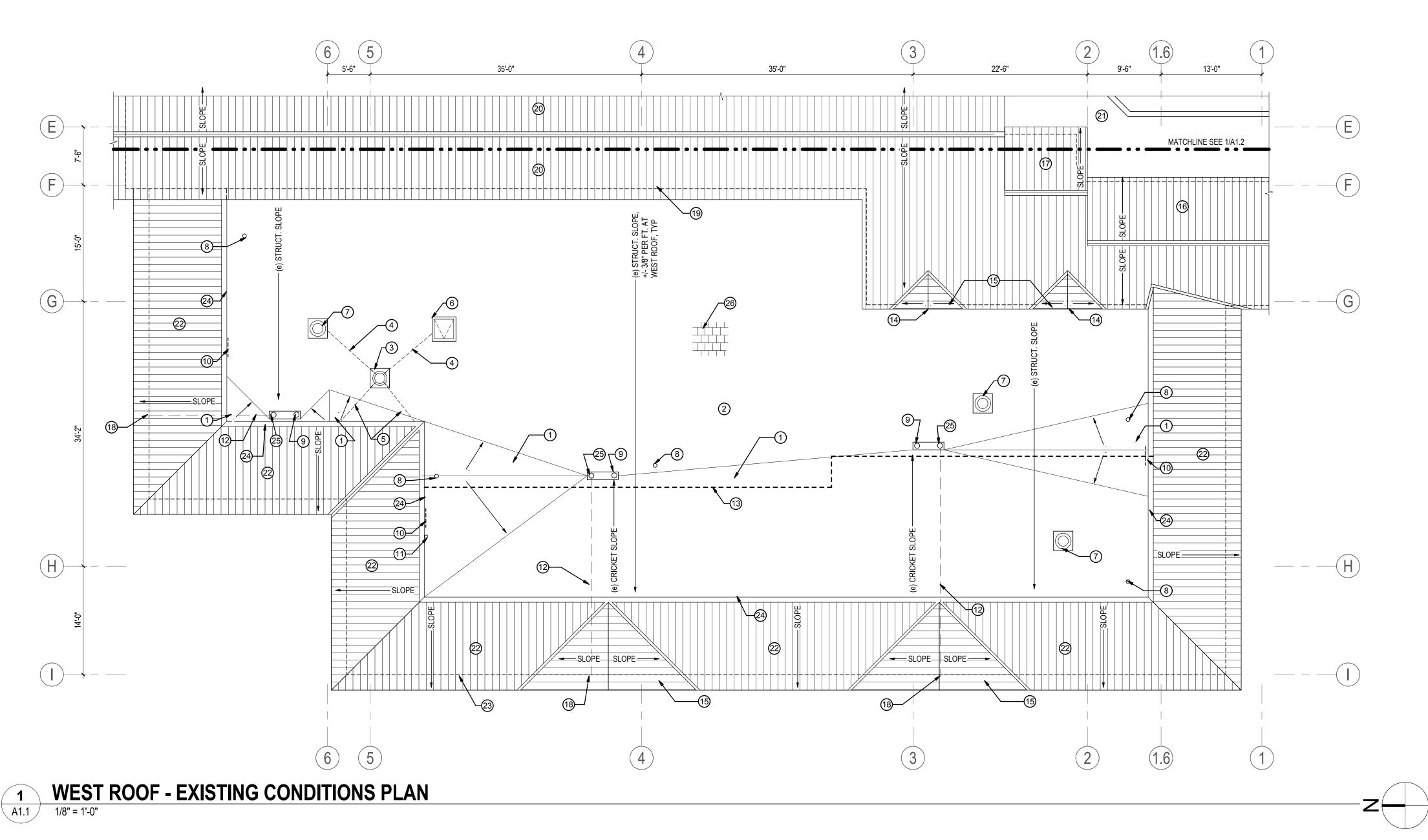
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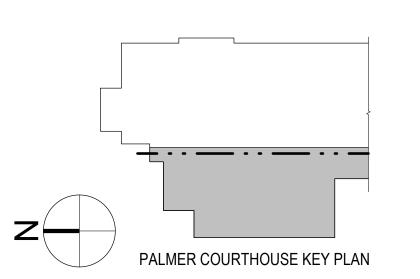
GENERAL NOTES

Revision:

Drawing No.



SHEET KEYNOTES NUMBER (e) IRMA ROOF ASSEMBLY W/ PAVERS OVER TAPERED INSULATION CRICKET (e) IRMA ROOF ASSEMBLY W/ PAVERS, SEE 2/A2.2, APPROX. 5,140 SF (e) BOILER STACK (e) BOILER STACK GUY WIRE FASTENED TO CURB (e) BOILER STACK GUY WIRE FASTENED TO PARAPET WALL (e) ROOF HATCH ON CURB (e) EXHAUST FAN (EF) ON CURB (e) PLUMBING VENT (VTR) (e) ROOF DRAIN UNDER PAVERS (e) 2'X2' ATTIC ACCESS HOLE W/ WHITE PLYWOOD COVER (e) STATIC PRESSURE SENSOR AND MAST (e) OVERFLOW DRAIN PIPING, BELOW ROOF DECK DASHED LINE INDICATES APPROXIMATE BOUNDARY BETWEEN ORIGINAL 1987 ROOF AND 1999 EXPANSION (e) ATTIC VENT LOUVERS (e) HIPPED GABLE METAL ROOF (e) LOWER CLERESTORY'S SLOPED METAL ROOF (e) MID CLERESTORY'S SLOPED METAL ROOF (e) OVERFLOW DRAIN WALL SCUPPER BELOW (e) CEMENT PLASTERED WALL UNDERNEATH EAVE (e) UPPER CLERESTORY'S SLOPED METAL ROOF (e) LOWER EPDM ROOF (e) SLOPED STANDING SEAM METAL MANSARD ROOF (e) WALL BELOW MANSARD ROOF OVERHANG, TYP. (e) PARAPET W/ VENTED SHEET METAL COPING (e) OVERFLOW ROOF DRAIN UNDER PAVERS (e) 1'X1' IRMA ROOF CEMENTIOUS BALLAST PAVER, TYP., NOT SHOWN



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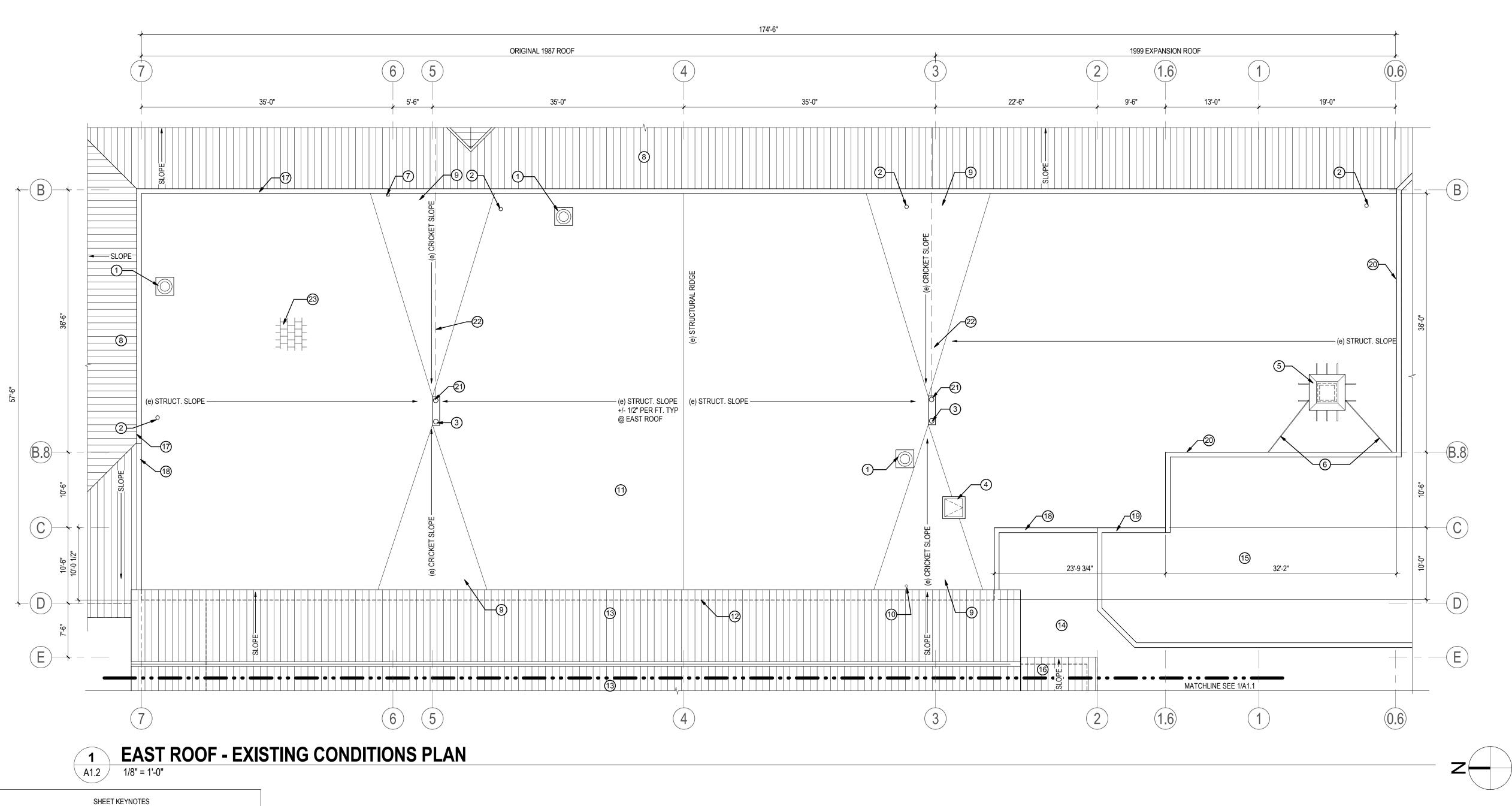
WEST ROOF EXISTING

CONDITIONS PLAN

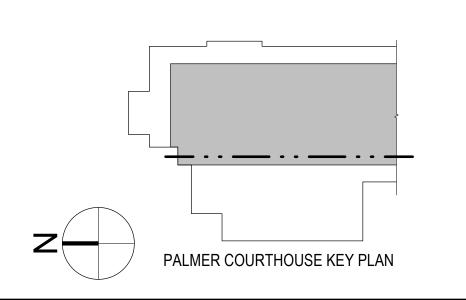
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Revision:
Drawing No.

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SHEET KEYNOTES		
NUMBER	NOTE	
1	(e) EXHAUST FAN (EF) ON CURB	
2	(e) PLUMBING VENT (VTR)	
3	(e) ROOF DRAIN UNDER PAVERS	
4	(e) ROOF HATCH ON CURB	
5	(e) AIR INTAKE DUCTWORK ON CURB, W/ CUSTOM METAL ROOFING HOOD W/ 2X4 SUPPORTS RESTING ON PAVERS	
6	(e) GALV. STELL PIPE BRACING BACK TO PARAPET	
7	(e) STATIC PRESSURE SENSOR AND MAST	
8	(e) SLOPED STANDING SEAM METAL MANSARD ROOF	
9	(e) IRMA ROOF ASSEMBLY W/ PAVERS OVER TAPERED INSULATION CRICKET	
10	(e) CONDUIT ROOF PENETRATION, WITH FLEX. CONDUIT LEADING TO RIGID CONDUIT ON CLERESTORY EAVE, POWERING EXTERIOR LIGHTING TO REMAIN	
11	(e) IRMA ROOF ASSEMBLY W/ PAVERS, SEE 2/A2.2, APPROX. 8,976 SF	
12	(e) CEMENT PLASTERED WALL UNDERNEATH EAVE	
13	(e) UPPER CLERESTORY'S SLOPED METAL ROOF	
14	(e) LOWER EPDM ROOF	
15	(e) POST-1999 FLAT ROOFED EXPANSION	
16	(e) MID CLERESTORY'S SLOPED METAL ROOF	
17	(e) PARAPET W/ VENTED SHEET METAL COPING	
18	(e) LOWER PARAPET W/ SHEET METAL COPING	
19	(e) MID-PARAPET W/ SHEET METAL COPING	
20	(e) HIGH PARAPET W/ SHEET METAL COPING	
21	(e) OVERFLOW ROOF DRAIN UNDER PAVERS	
22	(e) OVERFLOW DRAIN PIPING, BELOW ROOF DECK	
23	(e) 1'X1' IRMA ROOF CEMENTIOUS BALLAST PAVER, TYP., NOT SHOWN FOR CLARITY	



| Consultant | Con

alaska couri System Palmer Courthouse Roof Replacement

Project No.:2046068501.2

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EAST ROOF EXISTING

CONDITIONS PLAN

Revision:
Drawing No.
A1.2

93'-4"

WEST ROOF - DEMO PLAN

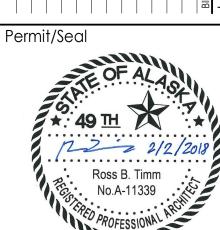
A2.1 1/8" = 1'-0"

	SHEET KEYNOTES
NUMBER	NOTE
1	DEMO VTR FLASHING, PROTECT VENT FROM CONSTRUCTION DEBRIS W/ SCREEN WHILE ALLOWING VENT GASES TO ESCAPE DURING CONSTRUCTION
2	DEMO WHITE ATTIC ACCESS HOLE COVER
3	LEAVE EXISTING DRAIN BODIES IN PLACE, DEMO STRAINERS, PROTECT DRAIN PIPING FROM CONSTRUCTION DEBRIS DURING CONSTRUCTION.
4	TEMP. RAISE BOILER STACK'S METAL FLASHING BASE & STORM COLLAR TO ALLOW NEW CURB FLASHING TO BE INSTALLED, DEMO CURB MEMBRANE FLASHING, CURB AND BOILER FLUE TO REMAI
5	TEMP. REMOVE & PROTECT EXHAUST FAN FOR ROOFING INSTALLATION, PROTECT HOLE W/ SCREEN DURING CONSTRUCTION, DEMO ROOF CURB MEMBRANE FLASHING, CURB TO REMAIN, SEE ELEC. & MECH.
6	TEMP. REMOVE & PROTECT ROOF HATCH FOR ROOFING INSTALLATION, COVER HOLE W/ SECURE, LOCKED PLYWOOD COVER DURING CONSTRUCTION EXCEPT WHEN ACCESS IS NEEDED, DEMO CUR MEMBRANE FLASHING, CURB TO REMAIN
7	TEMP. REMOVE BOILER STACK GUY WIRE, TYP.
8	DEMO IRMA ROOF ASSEMBLY DOWN TO PLYWD. DECK, INCLUDING PAVERS, INSULATION, AND MEMBRANE. SEE 2/A2.2
9	DEMO CEMENT PLASTER ON WALL AS NEEDED TO ACCOMMODATE NEW ROOF ASSEMBLY & TO INSTALL NEW ROOF-TO-WALL FLASHING
10	TEMP. REMOVE COPING AS NEEDED TO INSTALL NEW ROOFING, PROTECT FOR RE-INSTALLATION
11	REMOVE LOUVERS AND PROTECT FOR RE-INSTALLATION
12	DEMO HIPPED GABLE ROOFS
13	DEMO DIAGONALLY HATCHED PORTION OF SLOPE METAL ROOFING IN ORDER TO ACCOMODATE NET DETAIL
14	DEMO CRICKETS, TYP
15	TEMP. REMOVE & PROTECT STATIC PRESSURE SENSOR & MAST. INSTALL TEMP. FLEXIBLE PLASTIC TUBING TO 3/4" RIGID PIPE STICKING OUT OF PARAPET WALL IN ORDER TO KEEP SENSOR IN OPERATION DURING CONSTRUCTION. TEMP. SECURE SENSOR ON METAL ROOFING W/ TAPE DURING CONSTRUCTION, SEE MECH.
16	DEMO PAVERS. TYP., NOT SHOWN FOR CLARITY

SHEET NOTES:

- SEE MECHANICAL & ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION ON MECHANICAL & ELECTRICAL ASPECTS OF THE WORK.
 SEE EXISTING CONDITION PLAN FOR CALL OUTS OF EXISTING (e) ITEMS.

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Project No.:2046068501.2

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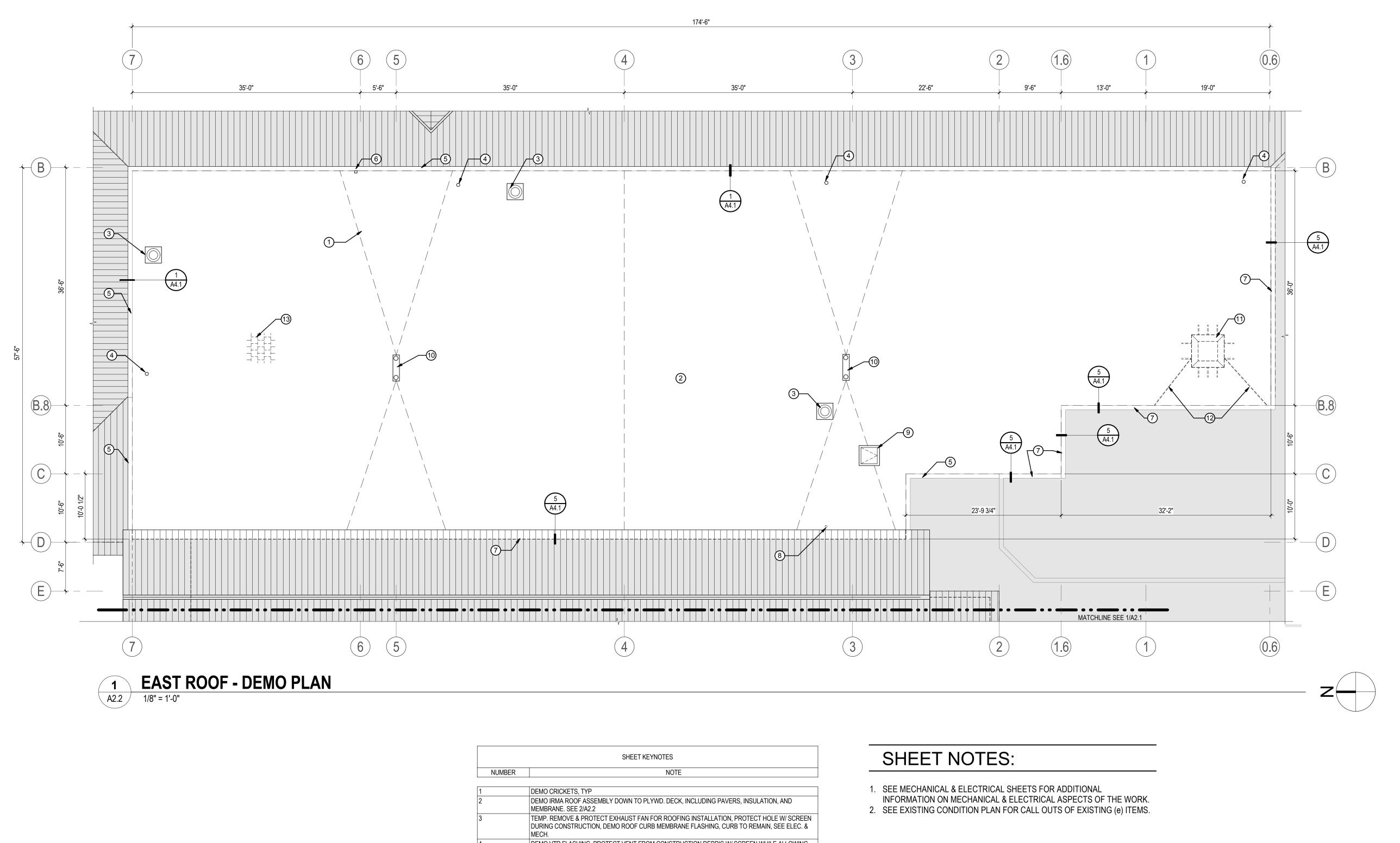
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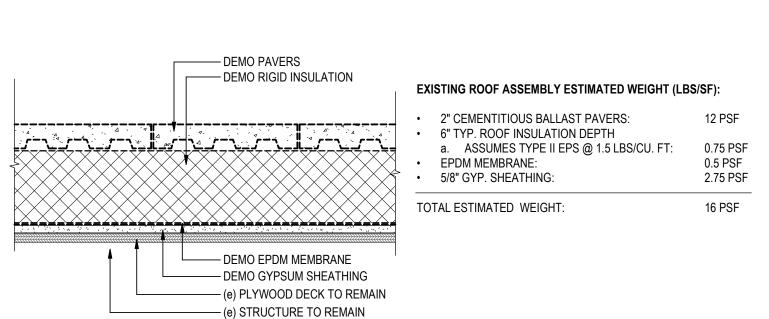
WEST ROOF DEMO

Revision:
Drawing No.

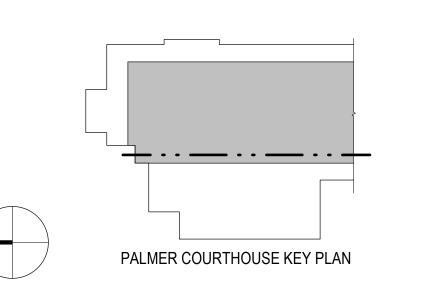
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PALMER COURTHOUSE KEY PLAN





	SHEET KEYNOTES			
NUMBER	NOTE			
1	DEMO CRICKETS, TYP			
2	DEMO IRMA ROOF ASSEMBLY DOWN TO PLYWD. DECK, INCLUDING PAVERS, INSULATION, AND MEMBRANE. SEE 2/A2.2			
3	TEMP. REMOVE & PROTECT EXHAUST FAN FOR ROOFING INSTALLATION, PROTECT HOLE W/ SCREEN DURING CONSTRUCTION, DEMO ROOF CURB MEMBRANE FLASHING, CURB TO REMAIN, SEE ELEC. & MECH.			
4	DEMO VTR FLASHING, PROTECT VENT FROM CONSTRUCTION DEBRIS W/ SCREEN WHILE ALLOWING VENT GASES TO ESCAPE DURING CONSTRUCTION			
5	TEMP. REMOVE COPING AS NEEDED TO INSTALL NEW ROOFING, PROTECT FOR RE-INSTALLATION			
6	TEMP. REMOVE & PROTECT STATIC PRESSURE SENSOR & MAST. INSTALL TEMP. FLEXIBLE PLASTIC TUBING TO 1/4" RIGID PIPE STICKING OUT OF PARAPET WALL IN ORDER TO KEEP SENSOR IN OPERATION DURING CONSTRUCTION. TEMP. SECURE SENSOR ON METAL ROOFING W/ TAPE DURING CONSTRUCTION, SEE MECH.			
7	DEMO CEMENT PLASTER ON WALL AS NEEDED TO ACCOMMODATE NEW ROOF ASSEMBLY & TO INSTALL NEW ROOF-TO-WALL FLASHING			
8	DEMO CONDUIT, EMERGENCY LIGHT, AND ROOF PENETRATION. SEAL HOLES ON METAL GABLE FLASHING W/ CLEAR SILICONE SEALANT. SEE ELECTRICAL.			
9	TEMP. REMOVE & PROTECT ROOF HATCH FOR ROOFING INSTALLATION, COVER HOLE W/ SECURE, LOCKED PLYWOOD COVER DURING CONSTRUCTION EXCEPT WHEN ACCESS IS NEEDED, DEMO CURB MEMBRANE FLASHING, CURB TO REMAIN			
10	LEAVE EXISTING DRAIN BODIES IN PLACE, DEMO STRAINERS, PROTECT DRAIN PIPING FROM CONSTRUCTION DEBRIS DURING CONSTRUCTION.			
11	DEMO UPPER MECHANICAL HOOD & WOOD SUPPORTS, TEMP. REMOVE EXISTING GALV. METAL FLASHING, DEMO CURB MEMBRANE FLASHING, CURB AND DUCTWORK TO REMAIN, PROTECT VENT FROM CONSTRUCTION DEBRIS W/ SCREEN WHILE ALLOWING AIR FLOW. SEE MECH.			
12	DEMO BRACING			
13	DEMO PAVERS, TYP., NOT SHOWN FOR CLARITY			



Project No.:2046068501.2 Scale: As indicated
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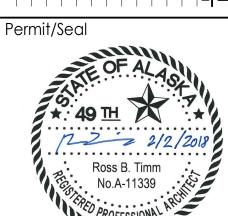
EAST ROOF DEMO PLAN

Revision: Drawing No.

EXISTING ROOF ASSEMBLY DEMO

SHEET NOTES:

- 1. WALK PAD LAYOUTS ARE APPROX., PROVIDE PATHS AS DIRECT AS POSSIBLE BETWEEN ROOF ACCESS POINTS (ROOF HATCHES AND DOORS), MECHANIZED MECH. EQUIPMENT (EXHAUST FANS, A/C UNITS), FLAGPOLES, AND FLAGPOLE LIGHTS. SPACE AS CLOSE AS POSSIBLE WHILE AVOIDING BLOCKING DRAINAGE.
- 2. SEE MECHANICAL & ELECTRICAL SHEETS FOR ADDITIONAL
- INFORMATION ON MECHANICAL & ELECTRICAL ASPECTS OF THE WORK. 3. SEE EXISTING CONDITION PLAN FOR CALL OUTS OF EXISTING (e) ITEMS.



Project No.:2046068501.2

Scale: As indicated

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WEST ROOF RENOVATION PLAN

Revision:

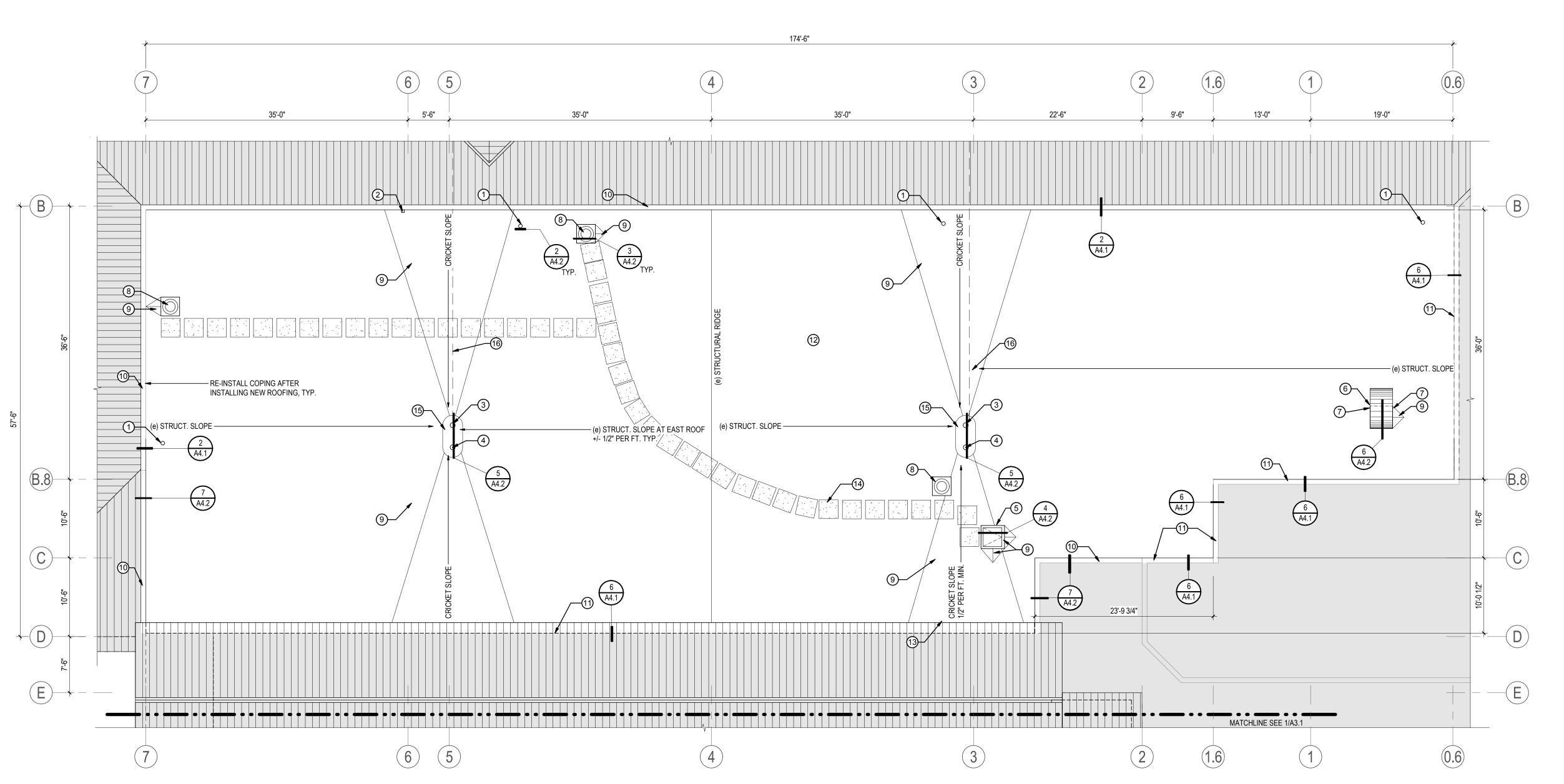
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WEST ROOF - RENOVATION PLAN

	SHEET KEYNOTES		
NUMBER	NOTE		
1	PROVIDE NEW SECTION OF LOWER SLOPE STANDING SEAM METAL ROOFING APPROX. IN HATCHED AREA, TO MATCH EXISTING METAL ROOFING PROFILE. PROVIDE OWNER W/ MANUFACTURER'S STANDARD COLOR OPTIONS W/ INTENT TO CLOSELY MATCH EXISTING		
2	RE-INSTALL (e) LOUVERS IN NEW PONY WALL		
3	PROVIDE NEW FRAMED PONY WALL W/ 2X FRAMING & PARAPET SHEATHING, RUN EPDM UP WALL		
4	PROVIDE NEW VTR EXTENSION. FASTEN VTR EXTENSION TO (e)VTR TO ACCOMMODATE NEW ROOF ASSEMBLY, FLASH NEW ROOFING TO VENT, SEE DETAIL 2/A4.2 FOR TYP.		
5	PROVIDE NEW 2'X2' ATTIC ACCESS DOOR & FRAME IN PARAPET WALL. MODIFY EXISTING ROUGH OPENING IN PARAPET FRAMING/SHEATHING AS NEEDED. SEAL FRAME'S MOUNTING FLANGE TO PARAPET SHEATHING AND SEAL ROOF MEMBRANE TO FRAME'S FLANGE.		
3	FLASH NEW ROOFING TO (e) CURB, RE-INSTALL (e) EXHAUST FAN		
7	PROVIDE NEW WALK PAD, TYP., LAYOUT IS APPROXIMATE		
3	PROVIDE NEW RETRO-FIT ROOF DRAIN CONNECTED TO (e) DRAIN BODY		
9	PROVIDE NEW RETRO-FIT OVERFLOW ROOF DRAIN CONNECTED TO (e) DRAIN BODY		
10	(e) OVERFLOW DRAIN PIPING UNDER DECK, ENSURE OVERFLOW DRAIN IS DRAINING TO SCUPPER		
11	(e) WALL OVERFLOW WALL SCUPPER BELOW, ENSURE NEW OVERFLOW DRAIN IS DRAINING OUT OF SCUPPER		
12	PROVIDE NEW TAPERED INSULATION CRICKET, TYP. SLOPE 1/2" PER FT. PERPENDICULAR TO VALLEY IN ORDER TO ACHIEVE MIN. 1/4" PER FT. ALONG VALLEY LINE, U.N.O.		
13	PROVIDE NEW EPDM ROOF ASSEMBLY, SEE 1/A4.2, APPROX 5140 SF		
14	RAISE CURB TO ACCOMMODATE NEW ROOF ASSEMBLY, FLASH NEW ROOFING TO CURB, RE-INSTALL (e) ROOF HATCH		
15	FLASH NEW ROOFING TO (e) CURB, RE-INSTALL (e) METAL FLASHING & STORM COLLAR		
16	RE-INSTALL BOILER FLUE GUY WIRES, TAUNT, TO ORIGINAL LOCATIONS W/ NEW STAINLESS STEEL FASTENERS. SEAL AT ALL FASTENERS W/ SILICONE SEALANT		
17	PROVIDE NEW ROOF-TO-WALL FLASHING ALONG THIS WALL		
18	RE-INSTALL PRESSURE SENSOR MAST AND RE-CONNECT PRESSURE SENSOR, VERIFY IT IS FUNCTIONING CORRECTLY AFTER RE-CONNECTION, SEE MECH.		
19	RE-INSTALL COPING AFTER INSTALLING NEW ROOFING		
20	TYP. NO WORK IN SHADED PORTION EXCEPT AS REQUIRED TO PERFORM WORK SHOWN IN UN-SHADED PORTION		
21	NEW SUMP IN ROOF INSULATION, 4" MIN INSULATION		

Stantec



1 EAST ROOF - RENOVATION PLAN 1/8" = 1'-0"

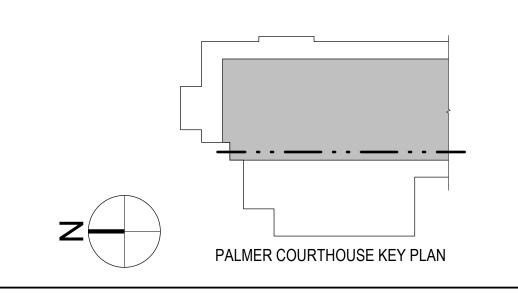
SHEET KEYNOTES		
NUMBER	NOTE	
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2	RE-INSTALL PRESSURE SENSOR MAST AND RE-CONNECT PRESSURE SENSOR, VERIFY IT IS FUNCTIONING CORRECTLY AFTER RE-CONNECTION, SEE MECH.	
3	PROVIDE NEW RETRO-FIT ROOF DRAIN CONNECTED TO (e) DRAIN BODY	
4	PROVIDE NEW RETRO-FIT OVERFLOW ROOF DRAIN CONNECTED TO (e DRAIN BODY	
5	RAISE CURB TO ACCOMMODATE NEW ROOF ASSEMBLY, FLASH NEW ROOFING TO CURB, RE-INSTALL (e) ROOF HATCH	
6	RAISE CURB TO ACCOMMODATE NEW ROOF ASSEMBLY, FLASH NEW ROOFING TO CURB, PROVIDE NEW GOOSENECK CAP PER MECHANICAL OVER (e) AIR INTAKE DUCT, REINSTALL SHEET METAL FLASHING, SEE MECH.	
7	PROVIDE NEW GALV. UNISTRUT PA238 OR SIM. BRACING FROM END OF GOOSENECK DUCT BACK TO CURB, FASTEN W/ STAINLESS STEEL FASTENRS, SEAL AT ALL FASTENERS W/ SILICONE SEALANT	
8	FLASH NEW ROOFING TO (e) CURB, RE-INSTALL (e) EXHAUST FAN	
9	PROVIDE NEW TAPERED INSULATION CRICKET, TYP. SLOPE 1/2" PER FT. PERPENDICULAR TO VALLEY IN ORDER TO ACHIEVE MIN. 1/4" PER FT. ALONG VALLEY LINE, U.N.O.	
10	RE-INSTALL COPING AFTER INSTALLING NEW ROOFING	
11	PROVIDE NEW ROOF-TO-WALL FLASHING ALONG THIS WALL	
12	PROVIDE NEW EPDM ROOF ASSEMBLY, SEE 1/A4.2, APPROX 8976 SF	
13	ROOF OVER DEMO'D CONDUIT PENETRATION	
14	PROVIDE NEW WALK PAD, TYP., LAYOUT IS APPROXIMATE	
15	NEW SUMP IN ROOF INSULATION, 4" MIN INSULATION	

(e) OVERFLOW DRAIN PIPING UNDER DECK, ENSURE OVERFLOW DRAIN IS DRAINING TO SCUPPER

SHEET NOTES:

- WALK PAD LAYOUTS ARE APPROX., PROVIDE PATHS AS DIRECT AS POSSIBLE BETWEEN ROOF ACCESS POINTS (ROOF HATCHES AND DOORS), MECHANIZED MECH. EQUIPMENT (EXHAUST FANS, A/C UNITS), FLAGPOLES, AND FLAGPOLE LIGHTS. SPACE AS CLOSE AS POSSIBLE WHILE AVOIDING BLOCKING DRAINAGE.
- 2. SEE MECHANICAL & ELECTRICAL SHEETS FOR ADDITIONAL
- INFORMATION ON MECHANICAL & ELECTRICAL ASPECTS OF THE WORK.

 3. SEE EXISTING CONDITION PLAN FOR CALL OUTS OF EXISTING (e) ITEMS.



Permit/Seal

Client/Project
ALASKA COURT
ALASKA COURT
ALASKA COURT
SYSTEM
SYSTEM
SCale: Volume: N/V
Scale: Volume: V/V
REPLACEMENT
A35 S. DENALI STREET
PALMER, ALASKA 996,

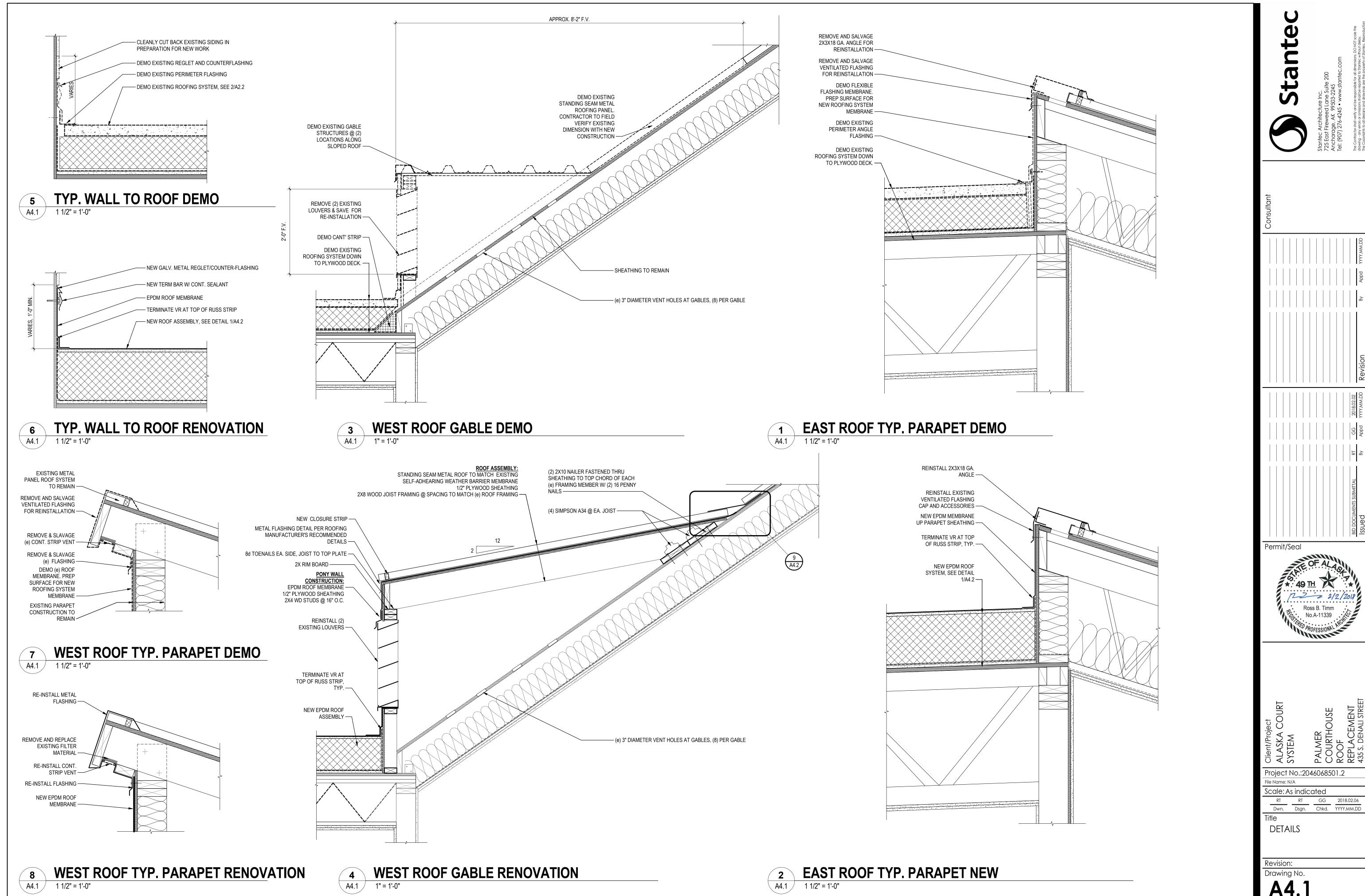
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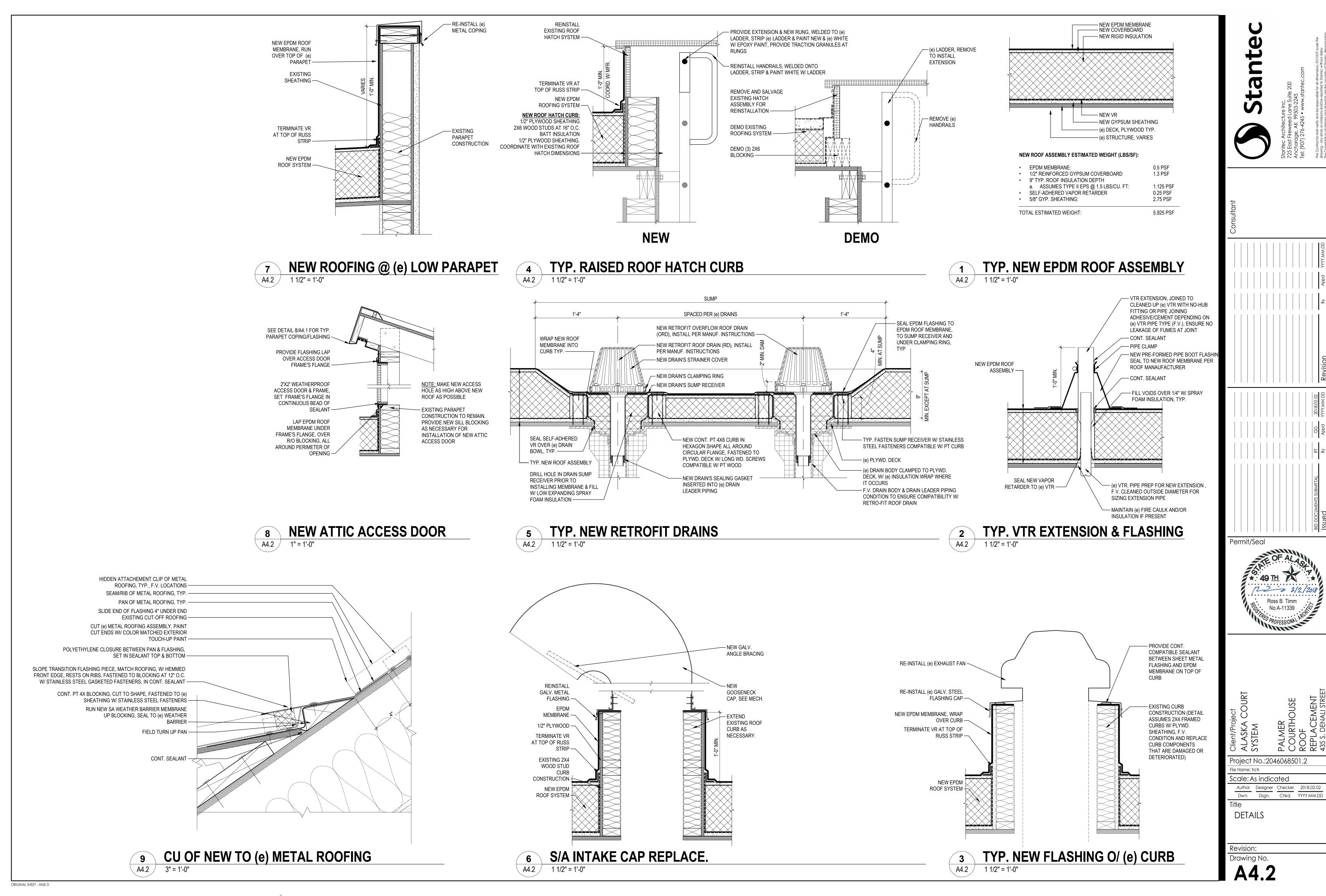
EAST ROOF RENOVATION PLAN

Revision:
Drawing No.

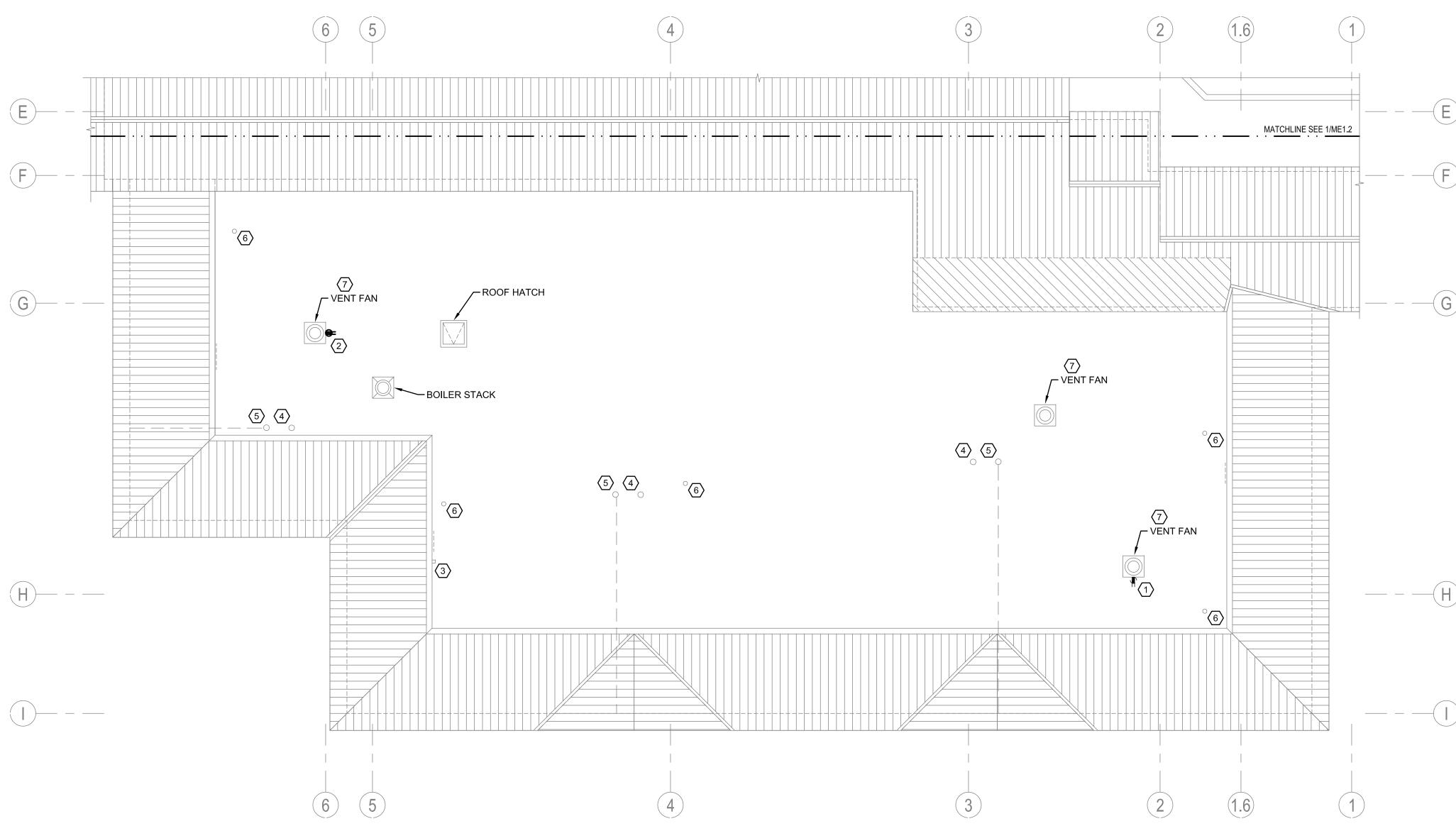
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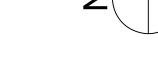


WEST ROOF - MECHANICAL & ELECTRICAL PLAN

ME1.1/ 1/8" = 1'-0"



- 1. EXISTING WEATHERPROOF GFI RECEPTACLE TO REMAIN.
- 2. INSTALL NEW GFI RECEPTACLE WITH WEATHERPROOF WHILE IN USE COVER. MOUNT RECEPTACLE TO SIDE OF ROOF CURB AND EXTEND LFMC INTO FAN HOUSING, PENETRATING UNDER OVERHANG OF HOUSING SIMILAR TO EXISTING RECEPTACLE INSTALLATION. SERVE RECEPTACLE FROM EXISTING CIRCUIT SERVING VENT FAN. TAP OFF CIRCUIT IN DISCONNECT ENCLOSURE INSIDE FAN HOUSING UPSTREAM OF DISCONNECT.
- 3. EXISTING ATMOSPHERIC PRESSURE SENSOR, CONTRACTOR SHALL PRESERVE SENSOR AND KEEP IN SERVICE DURING ROOF REPLACEMENT AND REINSTALL IN SIMILAR POSITION ONCE NEW ROOF IS INSTALLED.
- 4. REMOVE EXISTING ROOF DRAIN AND SCREEN, PROVIDE NEW RETRO-FIT ROOF DRAIN EXTENSION UP TO NEW ROOF SURFACE. BASIS OF DESIGN IS THE HERCULES RETRODRAIN, CONTRACTOR SHALL VERIFY SIZE OF EACH DRAIN AND COORDINATE WITH ARCHITECTURAL.
- 5. REMOVE EXISTING OVERFLOW ROOF DRAIN AND SCREEN, PROVIDE NEW RETRO-FIT ROOF DRAIN EXTENSION UP TO NEW ROOF SURFACE. BASIS OF DESIGN IS THE HERCULES RETRODRAIN WITH OVERFLOW DAM, CONTRACTOR SHALL VERIFY SIZE OF EACH DRAIN AND COORDINATE WITH ARCHITECTURAL.
- 6. EXISTING PLUMBING VENT, EXTEND TO MINIMUM 12" ABOVE NEW ROOF SURFACE.
- 7. REMOVE EXISTING FAN AND REINSTALL IN SAME LOCATION AFTER NEW ROOFING HAS BEEN INSTALLED, COORDINATE WITH ARCHITECTURAL.



ABBREVIATIONS:

EMT ELECTRICAL METALLIC TUBING GROUND FAULT CIRCUIT INTERRUPTER LFMC LIQUIDTIGHT FLEXIBLE METAL CONDUIT GALVANIZED RIGID METAL CONDUIT



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Project No.:2046068501.2

Scale: As indicated

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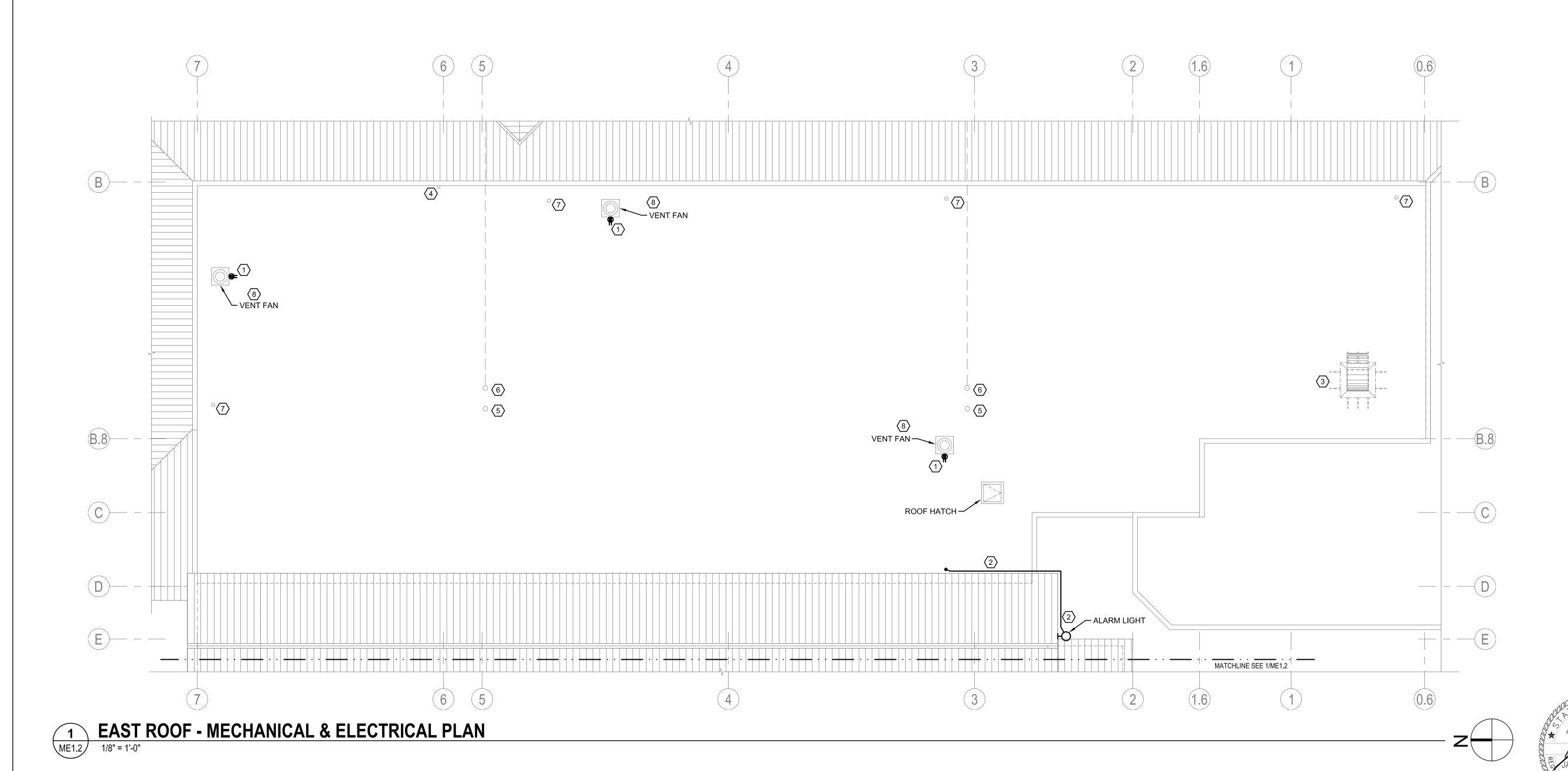
WEST ROOF MECHANICAL & ELECTRICAL PLAN

Revision: Drawing No.

PALMER COURTHOUSE KEY PLAN

ORIGINAL SHEET - ANSI D

ME1.

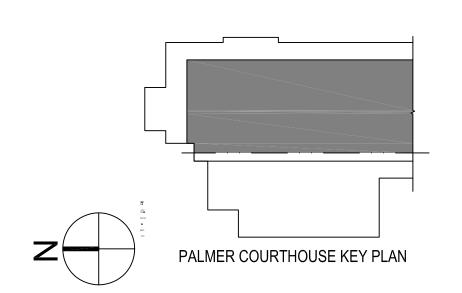


SHEET NOTES:

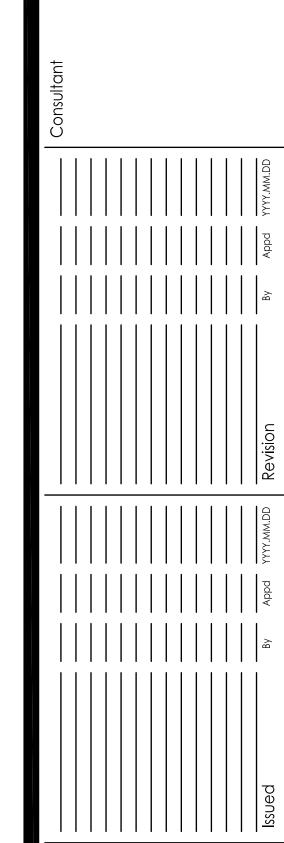
- 1. INSTALL NEW GFI RECEPTACLE WITH WEATHERPROOF WHILE IN USE COVER. MOUNT RECEPTACLE TO SIDE OF ROOF CURB AND EXTEND LFMC INTO FAN HOUSING, PENETRATING UNDER OVERHANG OF HOUSING SIMILAR TO EXISTING RECEPTACLE INSTALLATION ON WEST ROOF. SERVE RECEPTACLE FROM EXISTING CIRCUIT SERVING VENT FAN. TAP OFF CIRCUIT IN DISCONNECT ENCLOSURE INSIDE FAN HOUSING UPSTREAM OF DISCONNECT.
- 2. REMOVE ALARM LIGHT MOUNTED ON FASCIA OF GABLE END. REMOVE CONDUCTORS BACK TO SOURCE OR PREVIOUS DEVICE TO REMAIN. REMOVE EXPOSED FLEX CONDUIT AND RIGID CONDUIT DOWN THROUGH ROOF TO BELOW ROOF DECK AND CAP. NEATLY SEAL FASTENER PENETRATIONS IN EXISTING FASCIA AND FLASHING WATERTIGHT USING SILICONE CAULK.
- 3. DEMOLISH EXISTING ROOF HOOD INCLUDING 2X4 WOOD SUPPORTS. PROVIDE NEW 36" X 30" GOOSENECK EXHAUST OUTLET ON EXTENDED CURB. GOOSENECK SHALL TERMINATE MINIMUM OF 3'-0" ABOVE NEW ROOF ELEVATION. SUPPORT NEW GOOSENECK FROM ADJACENT PARAPET, COORDINATE WITH DRAWING A3.2.
- 4. EXISTING ATMOSPHERIC PRESSURE SENSOR, CONTRACTOR SHALL PRESERVE SENSOR AND KEEP IN SERVICE DURING ROOF REPLACEMENT AND REINSTALL IN SIMILAR POSITION ONCE NEW ROOF IS INSTALLED.
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ABBREVIATIONS:

EMT ELECTRICAL METALLIC TUBING
GFI GROUND FAULT CIRCUIT INTERRUPTER
LFMC LIQUIDTIGHT FLEXIBLE METAL CONDUIT
RMC GALVANIZED RIGID METAL CONDUIT



ME-10833



ALASKA COURT
SYSTEM
PALMER
COURTHOUSE
ROOF
REPLACEMENT
435 S. DENALI STREET

TOPESSION 2

Project No.:2046068501.2

Scale: As indicated

LPS/JET LPS/JET Checker 2018.02.02

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EAST ROOF MECHANICAL & ELECTRICAL PLAN

Revision:
Drawing No.

ME1.2

Nacko Dovit Correr