

CONSTRUCTION DOCUMENTS

CBJ GLACIER FIRE STATION

ROOF REPLACEMENT

A.E. Rogers
ARCHITECTS, LLC

P.O. Box 34401 • Juneau, Alaska 99803
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ARCHITECTURAL

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HAZMAT

CARSON DORN, INC.

712 West 12th Street
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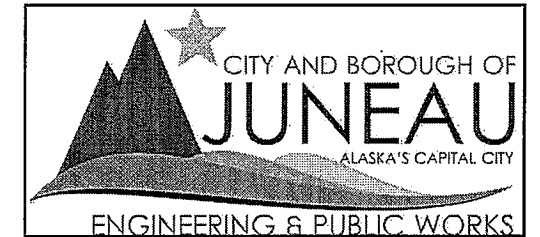
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OWNER

CITY & BOROUGH OF JUNEAU

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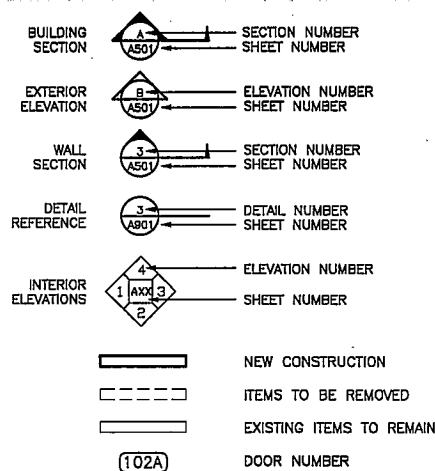


ABBREVIATIONS

NOTE: THIS IS A GENERIC LIST. NOT ALL ABBREVIATIONS ARE USED IN DRAWINGS

AB	ANCHOR BOLTS	(E)	EXISTING	MTD	MOUNTED	REQ'D	REQUIRED
ACUS	ACOUSTICAL	EXT	EXTERIOR	MTL	METAL	RESIL	RESILIENT
ACT	ASBESTOS CONTAINING MATERIAL	FA	FIRE ALARM	MUL	MULLION	RFP	REGISTER
AD	ACROUSTICAL CEILING TILE	FD	FLOOR DRAIN	N	NORTH	ROTR	ROOM
A.D.	ABOVE DATUM	FE	FIRE EXTINGUISHER	NC	NOT IN CONTRACT	RM	ROUGH OPENING
AF	ABOVE FINISH FLOOR	FHC	FIRE HOSE CABINET	NOM	NOMINAL	SCHED	SCHEDULE
AL	ALUMINUM	FIN	FINISH	NTS	NOT TO SCALE	SD	SOAP DISPENSER
ARCH	ARCHITECTURAL	FL	FLOOR	CA	OVERALL	SHG	SHEATHING
ASB	ASBESTOS	FOC	FACE OF CONCRETE	OBS	OBSCURE	SIM	SIMILAR
ASPH	ASPHALT	FOF	FACE OF FINISH	OC	ON CENTER	SPEC	SPECIFICATIONS
AVB	AIR & VAPOR BARRIER	FOS	FACE OF STUDS	OD	OUTSIDE DIAMETER	STC	SOUND TRANSMISSION CLASS
BD	BOARD	FT	FOOT OR FEET	OFCI	OWNER FURNISH CONTRACTOR INSTALL	STD	STANDARD
BITUM	BITUMINOUS	FURR	FURRING	OFF	OFFICE	STL	STEEL
BLOC	BUILDING	FUT	FUTURE	OFOI	OWNER FURNISH OWNER INSTALL	STRUC	STRUCTURAL
BOD	BOTTOM OF DECK	GA	GAUGE	OPNG	OPENING	SS	STAINLESS STEEL
CB	CATCH BASIN	GALV	GALVANIZED	OPP	OPPOSITE	TB	TOWER BAR
CG	CORNER GUARD	GB	GRAB BAR	OSB	ORIENTED STRAND BOARD	TEL	TELEPHONE
CI	CAST IRON	GL	GLASS	PIC	PLASTIC IMPREGNATED CORK	TER	TERRAZZO
CLG	CEILING	GR	GRADE	PL	PLATE	TJ	TRUSS JOIST
CLR	CLEAR	GWB	GYPSON WALL BOARD	PLY	PLYWOOD	TPD	TOILET PAPER DISPENSER
COL	COLLUM	H	HIGH	PLAN	PLASTIC LAMINATE	TS	TUBE STEEL
CONC	CONCRETE	HOB	HOSE BIBB	PLYD	PLYWOOD	TV	TELEVISION
CORR	CORRIDOR	HC	ACCESSIBLE TO DISABLED	PR	PRE-CAST	UL	UNDERWRITER LABORATORY
CRPT	CARPET	HDMH	HARDWOOD	PRCST	PRESSURE TREATED	UN	UNLESS OTHERWISE NOTED
DEPT	DEPARTMENT	HT	HEIGHT	PTD	PAINTED	VB	VAPOR BARRIER
DF	DRINKING FOUNTAIN	HM	HOLLOW METAL	PTN	PARTITION	VEST	VESTIBULE
DET	DETAIL	INSUL	INSULATION	PVC	POLY VINYL CHLORIDE	VTR	VENT THROUGH ROOF
DIA	DIAMETER	JAN	JANITOR	QT	QUARTY TILE	WC	WATER CLOSET
DM	DIMENSION	LAV	LAVATORY	R	RISER	WD	WOOD
DN	DOWN	LY	LIGHT	RAD	RADIUS	WP	WATERPROOF
DS	DOWNSPOUT	MAX	MECHANICAL AND ELECTRICAL	RO	ROOF DRAIN	WR	WATER RESISTANT
DWG	DRAWING	M/E	MECHANICAL	REF	REFERENCE	WVCT	WAINSCOT
EA	EACH	MECH	MISCELLANEOUS	REFR	REFRIGERATOR	WT	WEIGHT
EL	ELEVATION	MISC		REINF	REINFORCED	REMOVE	REMOVE
ELEC	ELECTRICAL						
ELEV	ELEVATOR						
EP	ELECTRICAL PANELBOARD						
EQ	EQUAL						
EQUIP	EQUIPMENT						

DRAWING LEGEND



GENERAL NOTES

- ALL REQUIRED FRAMING TO MATCH EXIST. 2X WOOD FRAMING UNLESS OTHERWISE NOTED. DIMENSIONS ARE TO FACE OF FRAMING MEMBER UNLESS OTHERWISE NOTED.
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE BEGINNING WORK AND TO NOTIFY THE OWNER'S REPRESENTATIVE AS TO ANY DISCREPANCIES.
- SALVAGE ITEMS & MATERIALS: PRESENT REMOVED ITEMS & MATERIALS TO THE OWNER. THE OWNER RETAINS THE RIGHT TO CLAIM ANY AND ALL SALVAGED ITEMS & MATERIALS. THOSE ITEMS NOT CLAIMED BY OWNER ARE TO BE REMOVED AND PROPERLY DISPOSED OF BY THE CONTRACTOR. DISPOSAL OF DEMOLITION MATERIAL (NOT TO BE SALVAGED) IS THE RESPONSIBILITY OF THE CONTRACTOR. BURNING REMOVED MATERIALS AND DISPOSAL OF CONCRETE AND EXCAVATED MATERIAL ON THE PROJECT SITE IS NOT ALLOWED.
- IF UTILITIES ARE NOT TO BE REUSED OR EXTENDED, CAP IN A SAFE MANNER IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARDS.
- WHERE REMOVAL OF EXISTING CONDITIONS HAS OCCURRED, PATCH AS REQUIRED TO MATCH EXISTING ADJACENT SURFACES AND FINISHES.
- CONTRACTOR SHALL PROVIDE A MINIMUM OF 24 HOURS NOTICE PRIOR TO SHUTTING OFF ANY SYSTEM.
- THESE DRAWINGS ARE FOR USE ON THE CBJ GLACIER FIRE STATION ROOFING REPLACEMENT PROJECT ONLY. THEY ARE NOT TO BE REUSED IN WHOLE OR IN PART ON ANY OTHER PROJECT WITHOUT WRITTEN PERMISSION FROM A.E. ROGERS ARCHITECTS, LLC.

DRAWING SCHEDULE

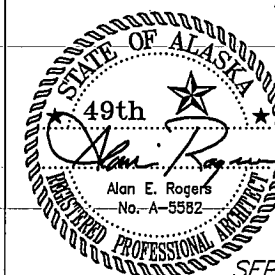
ARCHITECTURAL

- A0 CODE INFORMATION SYMBOLS & ABBREVIATIONS
- A1 DEMOLITION ROOF PLAN
- A2 ROOF EQUIPMENT ITEMS
- A3 NEW ROOF PLAN
- A4 NEW ROOF WALKWAY
- A5 ROOF DETAILS
- A6 ROOF DETAILS

FINAL SUBMITTAL
September 18, 2017

CBJ CONTRACT NO. BE18-074
ARCHITECT'S PROJECT NO. 1413A

CODE INFORMATION
SYMBOLS &
ABBREVIATIONS

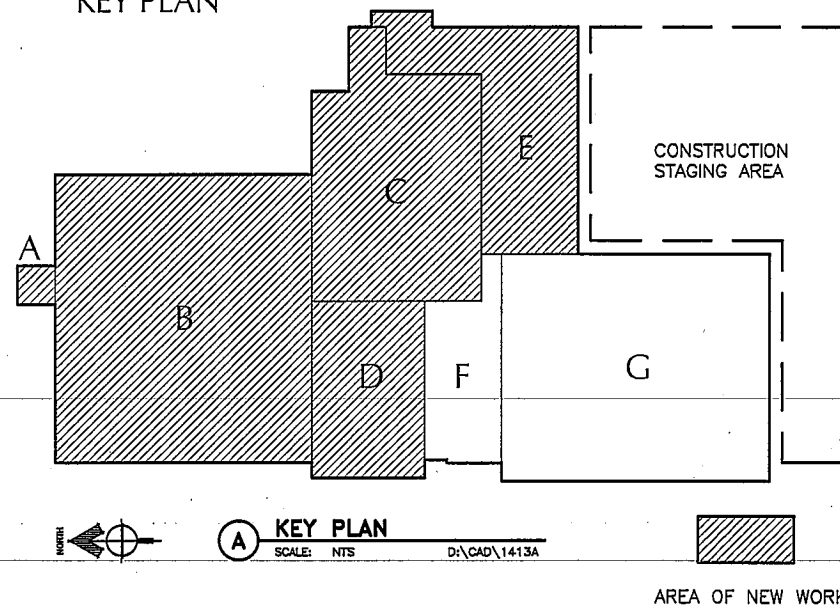


A0

IBC ARCHITECTURAL CODE REVIEW

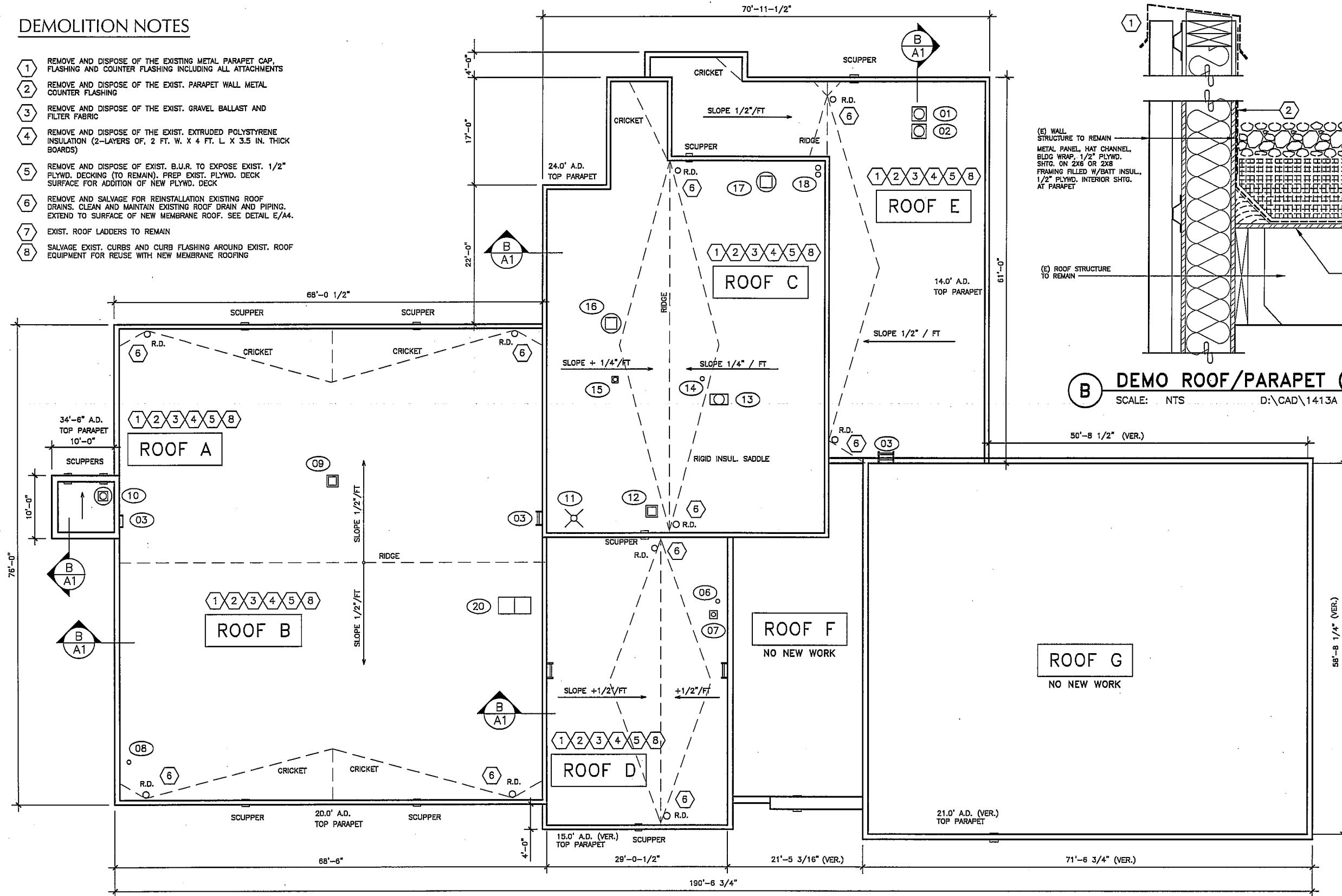
NOT APPLICABLE

KEY PLAN



DEMOLITION NOTES

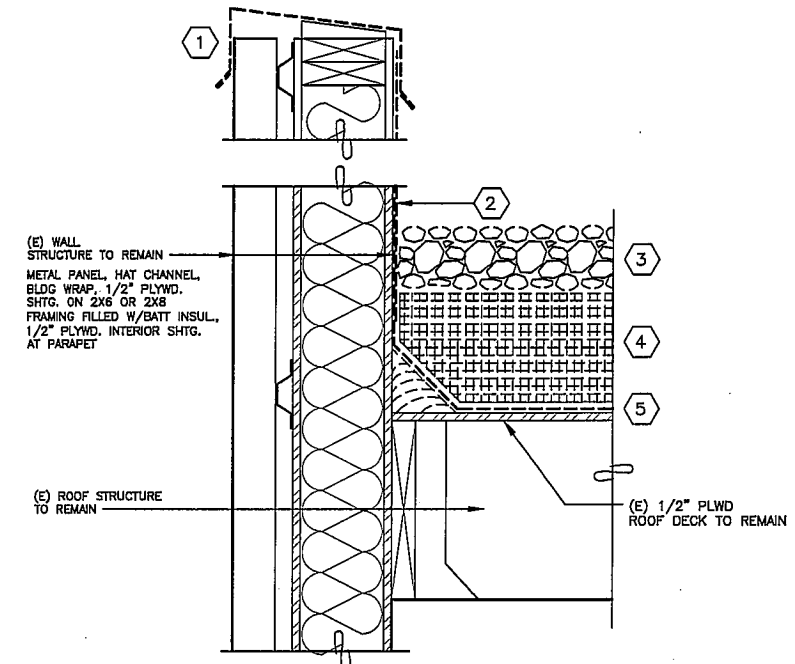
- 1 REMOVE AND DISPOSE OF THE EXISTING METAL PARAPET CAP, FLASHING AND COUNTER FLASHING INCLUDING ALL ATTACHMENTS
- 2 REMOVE AND DISPOSE OF THE EXIST. PARAPET WALL METAL COUNTER FLASHING
- 3 REMOVE AND DISPOSE OF THE EXIST. GRAVEL BALLAST AND FILTER FABRIC
- 4 REMOVE AND DISPOSE OF THE EXIST. EXTRUDED POLYSTYRENE INSULATION (2-LAYERS OF, 2 FT. W. X 4 FT. L X 3.5 IN. THICK BOARDS)
- 5 REMOVE AND DISPOSE OF EXIST. B.U.R. TO EXPOSE EXIST. 1/2" PLYWD. DECKING (TO REMAIN). PREP EXIST. PLYWD. DECK SURFACE FOR ADDITION OF NEW PLYWD. DECK
- 6 REMOVE AND SALVAGE FOR REINSTALLATION EXISTING ROOF DRAINS. CLEAN AND MAINTAIN EXISTING ROOF DRAIN AND PIPING. EXTEND TO SURFACE OF NEW MEMBRANE ROOF. SEE DETAIL E/A4.
- 7 EXIST. ROOF LADDERS TO REMAIN
- 8 SALVAGE EXIST. CURBS AND CURB FLASHING AROUND EXIST. ROOF EQUIPMENT FOR REUSE WITH NEW MEMBRANE ROOFING



A DEMOLITION ROOF PLAN
SCALE: 1/8" = 1'-0" D:\CAD\1413A

--- EXISTING TO BE REMOVED
 (02) EXISTING ROOF EQUIPMENT SEE SHT. A2
 --- EXISTING ROOF RIDGES & VALLEYS
 A.D. ABOVE DATUM; 1ST FLOOR SLAB AT 0'-0" ELEV.

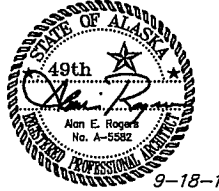
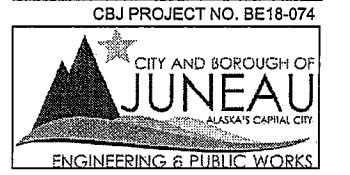
NOTE:
 ADHERE TO CURRENT STATE OF ALASKA DEPT. OF LABOR REGULATIONS WHEN REMOVING MATERIALS THAT CONTAIN HAZARDOUS MATERIALS. SEE "HAZARDOUS MATERIALS SURVEY" BY CARSON DORN.



B DEMO ROOF/PARAPET (TYP)
SCALE: NTS D:\CAD\1413A

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9-18-17
 CBJ BLDG. PERMIT NO. _____

CONSTRUCTION DOCUMENTS
**CBJ GLACIER FIRE STATION
 ROOF REPLACEMENT**
 1700 Crest Avenue
 Juneau, Alaska 99801

Number	Date	By	Description of Revisions

Sheet Title
DEMOLITION ROOF PLAN

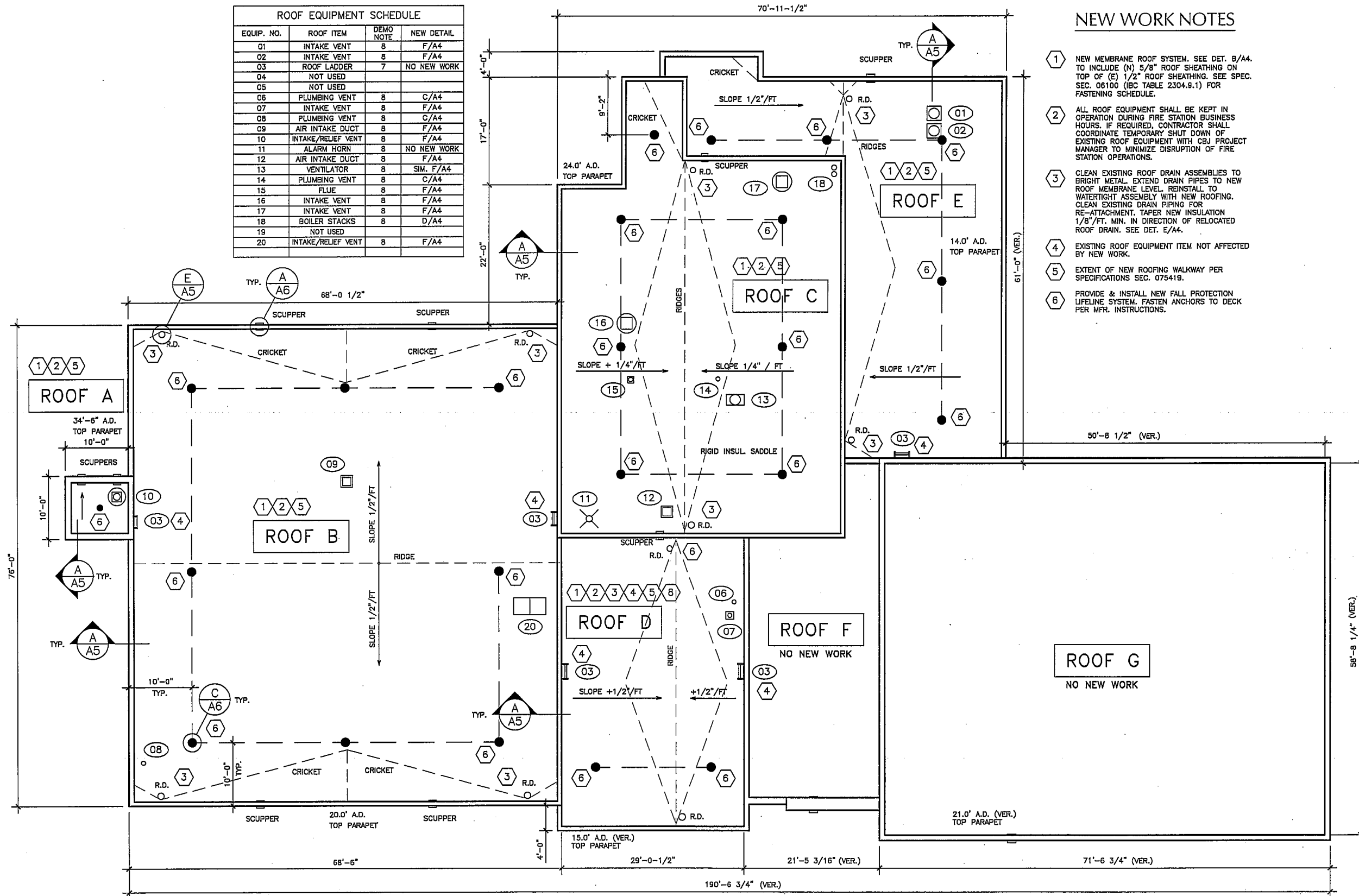
Scale AS SHOWN (HALF SCALE AT 11X17)

Designed AER Drawn AER
 Date SEPT. 18, 2017 Checked AER
 Approved By AER Job Number 1413A

Sheet Number

0 4' 8' 16' 24'
 1/8" = 1'-0"

ROOF EQUIPMENT SCHEDULE			
EQUIP. NO.	ROOF ITEM	DEMO NOTE	NEW DETAIL
01	INTAKE VENT	8	F/A4
02	INTAKE VENT	8	F/A4
03	ROOF LADDER	7	NO NEW WORK
04	NOT USED		
05	NOT USED		
06	PLUMBING VENT	8	C/A4
07	INTAKE VENT	8	F/A4
08	PLUMBING VENT	8	C/A4
09	AIR INTAKE DUCT	8	F/A4
10	INTAKE/RELIEF VENT	9	F/A4
11	ALARM HORN	8	NO NEW WORK
12	AIR INTAKE DUCT	8	F/A4
13	VENTILATOR	8	SIM. F/A4
14	PLUMBING VENT	8	C/A4
15	FLUE	8	F/A4
16	INTAKE VENT	8	F/A4
17	INTAKE VENT	9	F/A4
18	BOILER STACKS	8	D/A4
19	NOT USED		
20	INTAKE/RELIEF VENT	8	F/A4



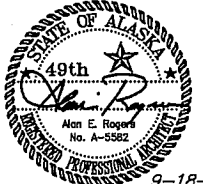
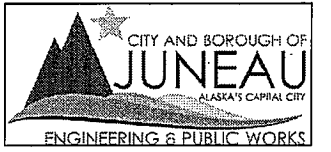
NEW WORK NOTES

- 1 NEW MEMBRANE ROOF SYSTEM. SEE DET. 8/A4.
TO INCLUDE (N) 5/8" ROOF SHEATHING ON
TOP OF (E) 1/2" ROOF SHEATHING. SEE SPEC.
SECTION. 08100 (IBC TABLE 2304.8.1) FOR
FASTENING SCHEDULE.
- 2 ALL ROOF EQUIPMENT SHALL BE KEPT IN
OPERATION DURING FIRE STATION BUSINESS
HOURS. IF REQUIRED, CONTRACTOR SHALL
COORDINATE TEMPORARY SHUT DOWN OF
EXISTING ROOF EQUIPMENT WITH CBJ PROJECT
MANAGER TO MINIMIZE DISRUPTION OF FIRE
STATION OPERATIONS.
- 3 CLEAN EXISTING ROOF DRAIN ASSEMBLIES TO
BRIGHT METAL. EXTEND DRAIN PIPES TO NEW
ROOF MEMBRANE LEVEL. REINSTALL TO
WATERTIGHT ASSEMBLY WITH NEW ROOFING.
CLEAN EXISTING DRAIN PIPING FOR
RE-ATTACHMENT. TAPER NEW INSULATION
1/8"-FT. MIN. IN DIRECTION OF RELOCATED
ROOF DRAIN. SEE DET. E/A4.
- 4 EXISTING ROOF EQUIPMENT ITEM NOT AFFECTED
BY NEW WORK.
- 5 EXTENT OF NEW ROOFING WALKWAY PER
SPECIFICATIONS SECTION. 075419.
- 6 PROVIDE & INSTALL NEW FALL PROTECTION
LIFELINE SYSTEM. FASTEN ANCHORS TO DECK
PER MFR. INSTRUCTIONS.

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CBJ PROJECT NO. BE18-074



CBJ BLDG. PERMIT NO. _____

CONSTRUCTION DOCUMENTS

CBJ GLACIER FIRE STATION ROOF REPLACEMENT

1700 Crest Avenue
Juneau, Alaska 99801

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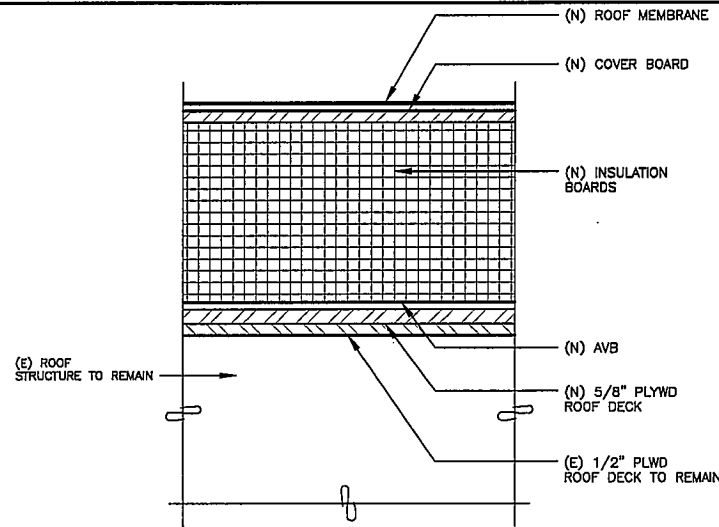
Sheet Number

0 4' 8' 16' 20'

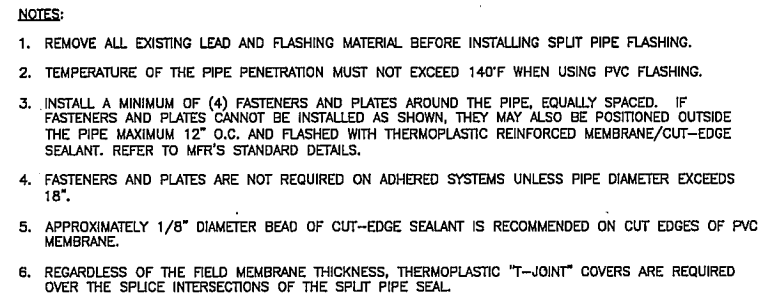
$1/8" = 1'-0"$

A3

OF
6



(C) SPLIT PIPE SEAL DET. (TYP)
SCALE: 3" = 1'-0" D:\CAD\1413A



CBJ BLDG. PERMIT NO. _____

CLAMPING RING

3 12
OR GREATER

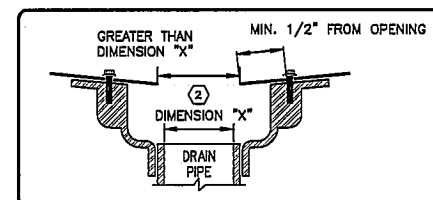
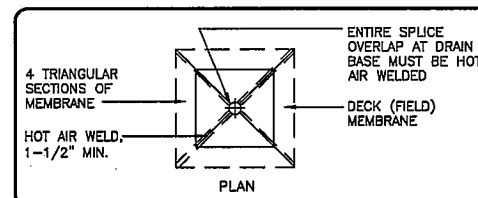
CUT-EDGE SEALANT

HOT AIR WELD
1-1/2" MIN.

3

WATER CUT-OFF MASTIC

DET. B/44

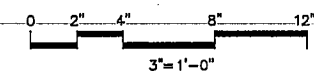


1. ROOF DRAIN SIZE AND NUMBER OF DRAINS SHALL BE IN ACCORDANCE WITH THE LOCAL CODES.
2. THE HOLE IN THE MEMBRANE SHALL EXCEED THE DIAMETER OF THE DRAIN PIPE, BUT SHALL BE NO LESS THAN 1/2" FROM THE ATTACHMENT POINTS OF THE DRAIN CLAMPING RING.
3. ALL BOLTS OR CLAMPS MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON WATER CUT-OFF MASTIC.
4. REMOVE EXISTING LEAD, FLASHING MATERIAL & ENSURE THE DRAIN RING IS COMPLETELY CLEAN DOWN TO BARE METAL.
5. APPROXIMATELY 1/8" DIAMETER BEAD OF CUT-EDGE SEALANT IS RECOMMENDED ON CUT EDGES OF PVC MEMBRANE.

1700 Crest Avenue
Juneau, Alaska 99801

Sheet Number

(E) ROOF DRAIN (TYP)
SCALE: 3" = 1'-0" D:\CAD\1413A



A5

OF
6



APPLICABLE BONDING ADHESIVE

WATER CUT-OFF MASTIC

REFER TO APPLICABLE SMACNA (LATEST EDITION) DETAILS

SEALANT

UNIVERSAL SINGLE-PLY SEALANT (6)

THERMOPLASTIC COATED SHEET METAL SCUPPER

THERMOPLASTIC NON-REINFORCED FLASHING

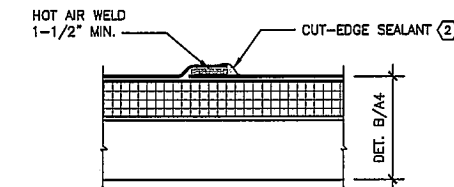
HOT AIR WELD 1-1/2" MIN.

WOOD NAILER (1)

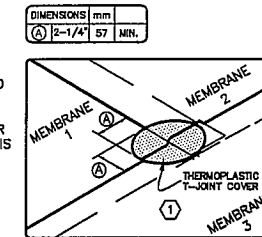
WATER CUT-OFF MASTIC (4)

DET. B/A4

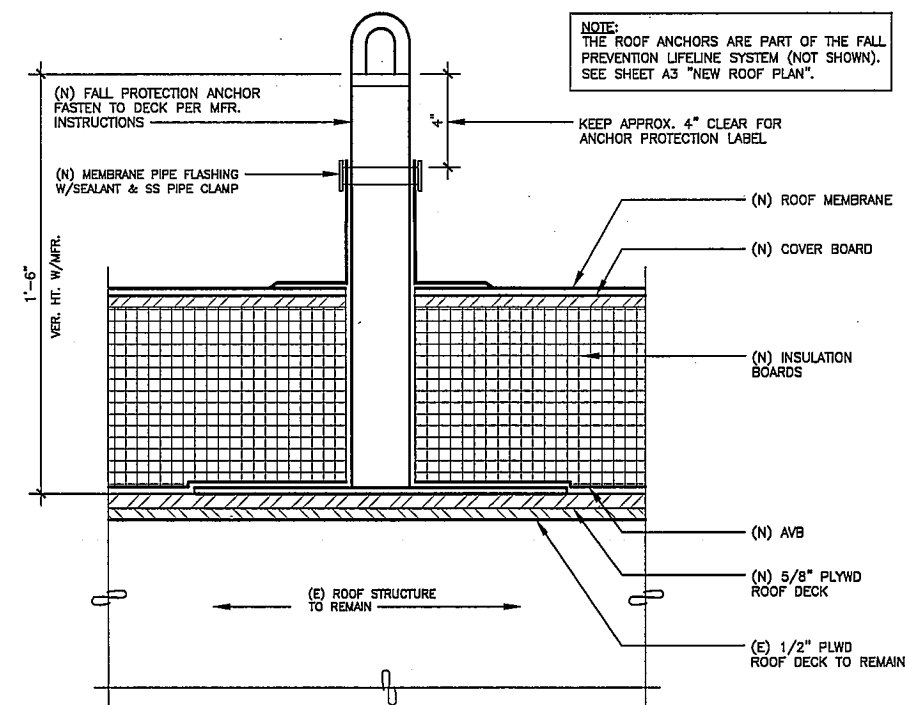
A technical diagram showing a cable being connected to a terminal block. The cable is inserted into a slot on the side of the terminal block, and a screw is used to secure it.



1. APPLY A 4-1/2" DIAMETER "T-JOINT" COVER AT ALL FIELD SPLICE INTERSECTIONS.
2. APPROXIMATELY 1/8" DIAMETER BEAD OF CUT-EDGE SEALANT IS RECOMMENDED ON CUT EDGES OF PVC MEMBRANE.



B **MEMBRANE SPLICE (TYP)**
SCALE: 3" = 1'-0" D:\CAD\1413A



(C) ROOF ANCHOR (TYP)
SCALE: 3" = 1'-0" D:\CAD\1413A

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[illegible]

Sheet Title

ROOF DETAILS

Scale AS SHOWN (HALF SCALE AT 11X17)

Designed AER Drawn AER

Date SEPT. 18, 2017 Checked AER

Approved By AER Job Number 1413A

Sheet Number

A6

DF
6