

Tower Roof Replacement Package

Shelby County Office Building

157 Poplar Avenue, Memphis, TN 38103

Shelby County Government

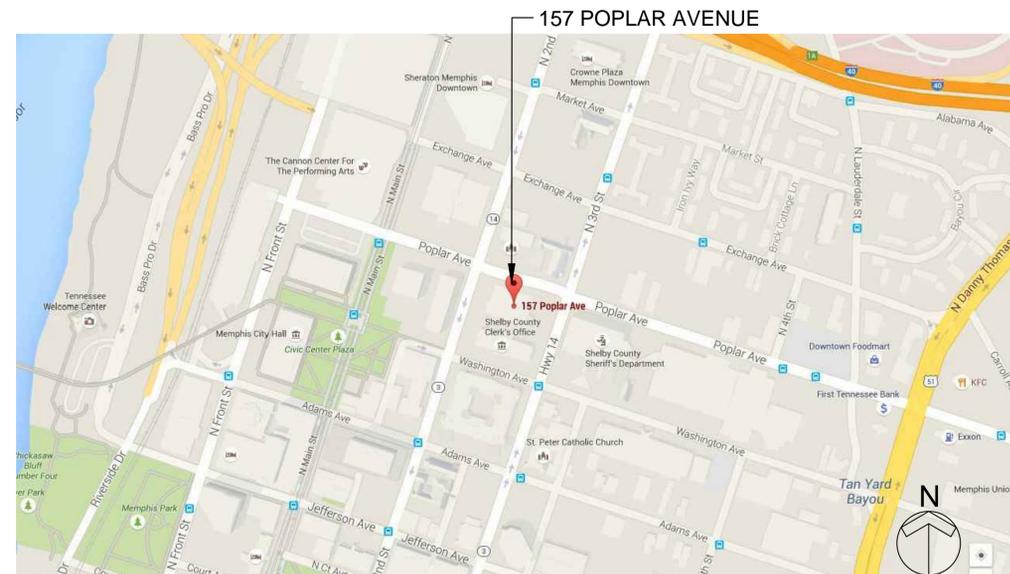
LIST OF ABBREVIATIONS

&	And	E.	East	KIT.	Kitchen	REQ'D.	Required
L	Angle	EA.	Each	LAB.	Laboratory	RESIL.	Resilient
@	At	E.J.	Expansion Joint	LAM.	Laminatory	R.O.	Room
C.L.	Centerline	EL.	Elevation	LAV.	Lavatory	RTU	Rough Opening
#	Pound or Number	ELEC.	Electrical	LKR.	Locker	R.T.U.	Roof Top Unit
(E)	Existing	ELEV.	Elevator	LT.	Light	R.W.L.	Rain Water Leader
ACOUS.	Acoustical	ENCL.	Enclosure	MAX.	Maximum	S.	South
A.D.	Area Drain	E.P.	Electrical Panelboard	M.C.	Medicine Cabinet	S.C.	Solid Core
ADJ.	Adjacent or Adjustable	EQ.	Equal	MECH.	Mechanical	S.C.D.	Seat Cover Dispenser
AGGR.	Aggregate	EQPT.	Equipment	MEMB.	Membrane	SCHED.	Schedule
AL.	Aluminum	ETC.	Etcetera	MET.	Metal	S.D.	Soap Dispenser
APPROX.	Approximate	E.W.C.	Electric Water Cooler	MFR.	Manufacturer	SECT.	Section
ARCH.	Architectural	EXST.	Existing	MH.	Manhole	SH.	Shelf
ASB.	Asbestos	EXIST.	Existing	MIN.	Minimum	SHR.	Shower
ASPH.	Asphalt	EXPO.	Exposed	MIR.	Mirror	SHR.	Sheet
		EXP.	Expansion	MISC.	Miscellaneous	SHT.	Sheet
		EXT.	Exterior	MM.	Millimeter	SIM.	Similar
BD.	Board			M.O.	Masonry Opening	S.N.D.	Sanitary Napkin Dispenser
BITUM.	Bituminous			MTD.	Mounted	S.N.R.	Sanitary Napkin Receptacle
BLDG.	Building	F.A.	Fire Alarm	MUL.	Mullion	SPEC.	Specification
BLK.	Block	F.B.	Flat Bar			SQ.	Square
BLKG.	Blocking	F.D.	Floor Drain			S.S.	Stainless Steel
BM.	Beam	FDN.	Foundation	N.	North	SS	Service Sink
BOT.	Bottom	F.E.	Fire Extinguisher	N.I.	Not In Contract	STA.	Station
		F.E.C.	Fire Extinguisher Cabinet	NO. OR #	Number	STD.	Standard
CAB.	Cabinet	F.H.C.	Fire Hose Cabinet	NOM.	Nominal	STL.	Steel
C.B.	Catch Basin	FIN.	Finish	N.T.S.	Not To Scale	STOR.	Storage
C.B.	Catch Basin	FL.	Floor	O.A.	Overall	STRL.	Structural
CEM.	Cement	FLASH.	Flashing	OBS.	Obscure	SUSP.	Suspended
CER.	Ceramic	FLUOR.	Fluorescent	O.C.	On Center	SYM.	Symmetrical
C.I.	Cast Iron	F.O.F.	Face of Finish	O.D.	Outside Diameter (Dim.)		
C.G.	Corner Guard	F.O.C.	Face of Concrete	OFF.	Office	TRD.	Tread
CLG.	Ceiling	F.P.F.	Face of Studs	OPNG.	Opening	T.B.	Towel Bar
CLKG.	Caulking	FRF.	Fireproof	OPP.	Opposite	T.C.	Top of Curb
CLO.	Closet	FS.	Full Size	OSB.	Oriented Strand Board	TEL.	Telephone
CLR.	Clear	FT.	Foot or Feet			TER.	Terrazzo
C.O.	Clean Out	FTG.	Footing	PRCST.	Pre-cast	T.&G.	Tongue and Groove
COL.	Column	FURR.	Furring	PL.	Plate	THK.	Thick
CONC.	Concrete	FUT.	Future	P.LAM.	Plastic Laminare	T.P.	Top of Pavement
CONN.	Connection	G.A.	Gauge	PLAS.	Plaster	T.P.D.	Toilet Paper Dispenser
CONSTR.	Construction	GALV.	Galvanized	PLUMB.	Plumbing	TPO.	Thermoplastic Polyolefin
CONT.	Continuous	G.B.	Grab Bar	PLYWD.	Plywood	T.V.	Television
CORR.	Corridor	GL.	Glass	PR.	Pair	T.W.	Top of Wall
CTSK.	Countersunk	GND.	Ground	PT.	Point	TYP.	Typical
CNTR.	Counter	GR.	Grade	PTAC	Packaged Thermal Air		
CTR.	Center	GYP.	Gypsum	UNF.	Unfinished		
		H.B.	Hose Bibb	P.T.D.	Paper Towel Dispenser	U.O.N.	Unless Otherwise Noted
		H.C.	Hollow Core	P.T.D/R	Combination Paper Towel Dispenser & Receptacle	UR.	Urinal
		HDWD.	Hardwood				
		HDWE.	Hardware	PTN.	Partition	VER.	Vertical
		H.M.	Hollow Metal	P.T.R.	Paper Towel Receptacle	VEST.	Vestibule
		HORIZ.	Horizontal			VTR	Vent Thru Roof
		HR.	Hour	Q.T.	Quarry Tile		
		HGT.	Height			W.	West / Water
		I.D.	Inside Diameter (Dim.)			W/	With
		INSUL.	Insulation			W.C.	Water Closet
		INT.	Interior			W.D.	Wood
						W/O	Without
		JAN.	Janitor			WP.	Waterproof
		JT.	Joint			WSCT.	Wainscot
						WT.	Weight



AERIAL PHOTOGRAPH NOT TO SCALE

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LOCATION MAP NOT TO SCALE

INDEX OF DRAWINGS

- A0 COVER, MAPS, INDEX OF DRAWINGS**
- A1 ROOF PLAN**
- A2 ROOF DETAILS**

revisions

no.	date

seal

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FINAL CONSTRUCTION SET

sheet name
 COVER

date
 August 19, 2015

A0

GENERAL ROOF NOTES

NOTE TO CONTRACTOR:
 NOTES ARE INTENDED TO BE TYPICAL IN NATURE AND APPLICABLE TO ALL SIMILAR CONDITION LOCATIONS IN ADDITION TO THOSE SPECIFICALLY REFERENCED ON THE DRAWINGS UNLESS OTHERWISE INDICATED AS AN ISOLATED SITUATION CONDITION.

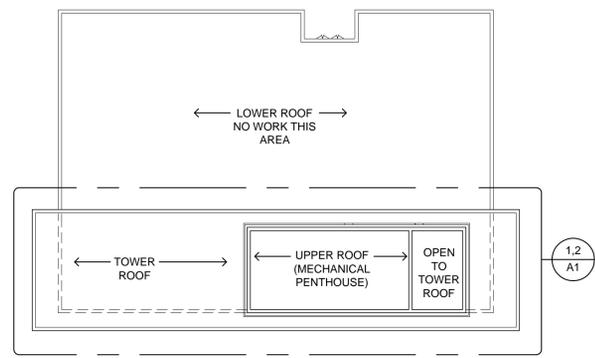
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE TEAROFF REMOVAL TO THE DECK, AND DISPOSAL OF THE EXISTING ASPHALTIC MEMBRANE ROOFING SYSTEM AND TEMPORARY ROOF PATCHING INCLUDING ALL ROOFING AND INSULATION MATERIALS, ATTACHMENTS, FLASHINGS, AND EXPANSION JOINTS. ALL EXISTING EQUIPMENT, CURBS, VTRS, VENT STACKS, CONDUITS AND PIPING NOT INDICATED FOR DEMOLITION SHALL REMAIN AND BE PROTECTED DURING THE COURSE OF THIS PROJECT. ALL ROOFTOP ITEMS TO REMAIN SHALL BE CLEANED OF ALL FOREIGN MATERIALS AND PROPERLY PRIMED FOR INSTALLATION OF NEW SINGLE MEMBRANE ROOFING SYSTEM.
2. NOT USED.
3. IN CONJUNCTION WITH THE WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MISCELLANEOUS REPAIRS AND MODIFICATIONS ASSOCIATED WITH, AND NECESSARY FOR THE IMPLEMENTATION OF, THE SCOPE OF THE WORK AS DIRECTED BY THE CONTRACT DOCUMENTS.
4. IT IS THE INTENT OF THESE CONTRACT DOCUMENTS THAT THE CONTRACTOR MAINTAIN A WATERTIGHT BUILDING ENVELOPE THROUGHOUT THE COURSE OF THIS PROJECT. DO NOT REMOVE MORE ROOFING THAN CAN BE REPLACED IN A SINGLE DAY.
5. NOT USED.
6. EXISTING UTILITY PIPES AND CONDUITS, COMMUNICATIONS, AND LOW VOLTAGE CABLES ARE NOT SHOWN ON THE PLANS FOR CLARITY PURPOSES. IT IS THE ROOFING CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL ROOFTOP UTILITY AND COMMUNICATION SERVICE INFRASTRUCTURE WHETHER INDICATED ON THE PLANS OR NOT, AND COORDINATE WITH THE NEW WORK. FURTHERMORE, IT IS THE INTENT OF THESE CONTRACT DOCUMENTS THAT ALL NEW AND EXISTING UTILITY AND COMMUNICATIONS SERVICE CONDUITS, PIPES, CABLES, ETC. TO BE SUPPORTED ABOVE THE FINISHED ROOF SURFACE WITH INORGANIC PIPE SUPPORTS.
7. THE ROOFING CONTRACTOR SHALL CLEAN AND PREPARE THE EXISTING DECK, VERTICAL WALL SURFACES, AND ALL ROOFTOP EQUIPMENT AND ASSOCIATED ITEMS TO RECEIVE THIS NEW ROOF SYSTEM AND FLASHINGS.
8. ALL EQUIPMENT LOCATIONS AND ROOF CONDITIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MUST BE FIELD VERIFIED BY THE ROOFING CONTRACTOR.
9. NOT USED.
10. NOT USED.
11. COORDINATE NEW WALKWAY PAD INSTALLATION WITH EXISTING ROOFTOP UTILITY SERVICE AND CONDENSATE LINE LOCATIONS.
12. EXISTING ROOF DRAINS. PRIOR TO INSTALLATION OF NEW ROOFING SYSTEM, TEST AND INSPECT EXISTING ROOF DRAINS AND PIPES TO CONFIRM THAT THEY ARE OPERATIONAL AND IN GOOD WORKING ORDER. PROVIDE AND INSTALL NEW DECK CLAMPS IF NECESSARY TO FURNISH A WATER-TIGHT SYSTEM. ADJUST INFLOW ELEVATIONS AND/OR INSTALL REQUIRED RING HEIGHT EXTENDER AS NECESSARY TO COORDINATE WITH NEW ROOF INSTALLATION FINISHED ELEVATION.
13. EXISTING PIPE VTR. EXTEND PIPES AS REQUIRED FOR 8" EXPOSURE ABOVE NEW FINISHED ROOF SURFACE. PROVIDE AND INSTALL NEW BASE FLASHINGS TO NEW ROOFING SYSTEM PER DETAILS. PAINT ALL EXPOSED FERROUS METALS.
14. EXISTING ROOF TOP UNIT (RTU), PROVIDE AND INSTALL NEW COUNTER AND BASE FLASHINGS TO NEW ROOFING SYSTEM PER DETAILS.
15. EXISTING ROOFTOP COOLING TOWER TO REMAIN AND BE PROTECTED DURING NEW CONSTRUCTION. EXISTING EQUIPMENT METAL COUNTER FLASHINGS TO REMAIN.
16. EXISTING DOOR THRESHOLDS TO REMAIN. INSTALL NEW ROOF MEMBRANE TIGHT TO UNDERSIDE AND FASTEN IN PLACE WITH TERMINATION BAR.

revisions	
no.	date

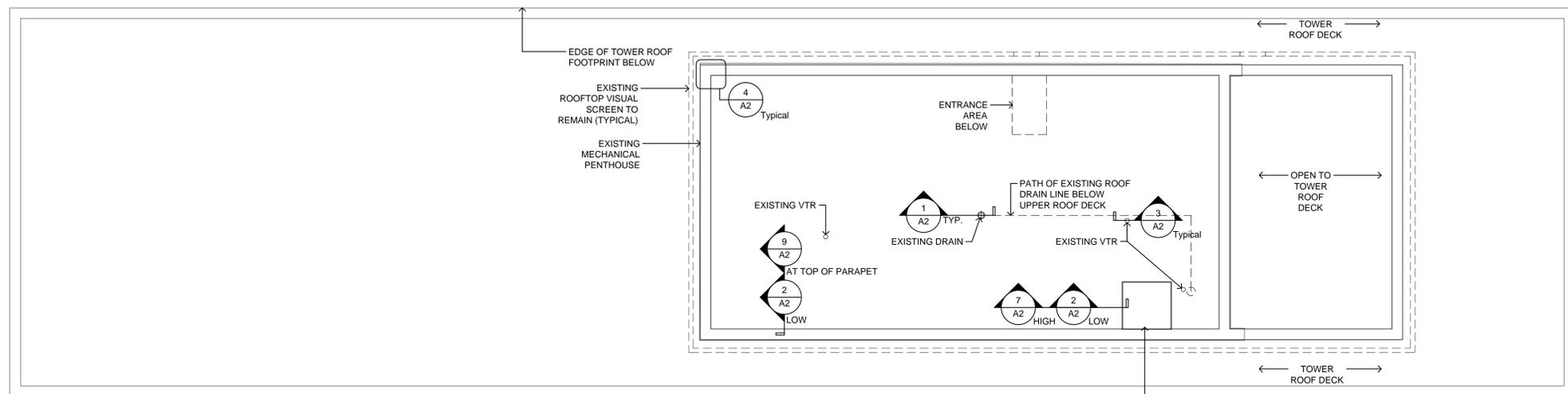
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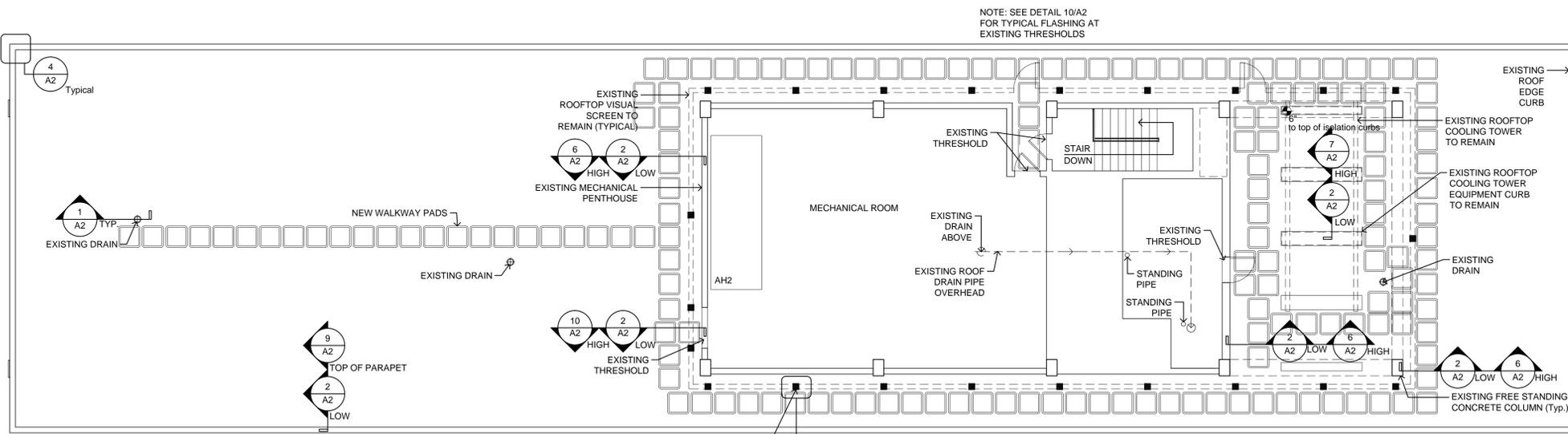
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Overall Plan of Shelby County Office Building
KEY PLAN scale: 1/32"=1'-0"



2 ROOF PLAN (Upper Mechanical Penthouse Roof)
 SCALE: 1/8" = 1'-0" 2,002 SF +/-
 A1



1 ROOF PLAN (Tower Roof)
 SCALE: 1/8" = 1'-0" 8,170 SF +/-
 A1

LEGEND

	ISOLATION CURB WITH SHEET METAL CAP
	ISOLATION CURB WITHOUT SHEET METAL CAP
	PITCH POCKET

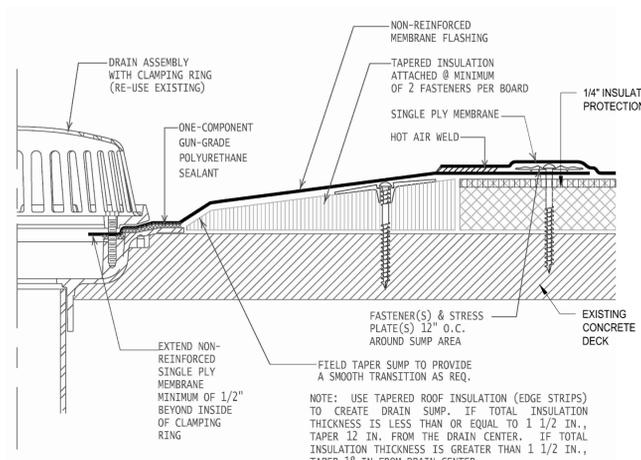
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FINAL CONSTRUCTION SET

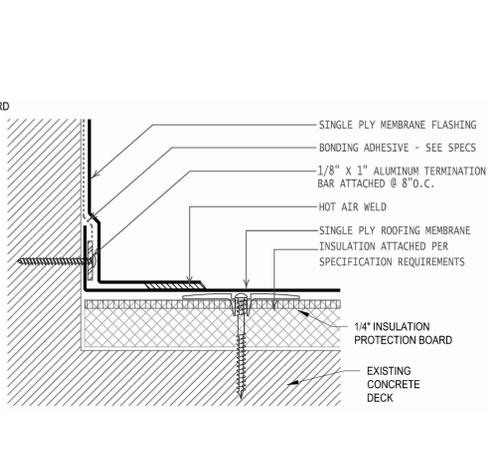
KEY PLAN
 GENERAL NOTES
 ROOF PLANS

date
August 19, 2015

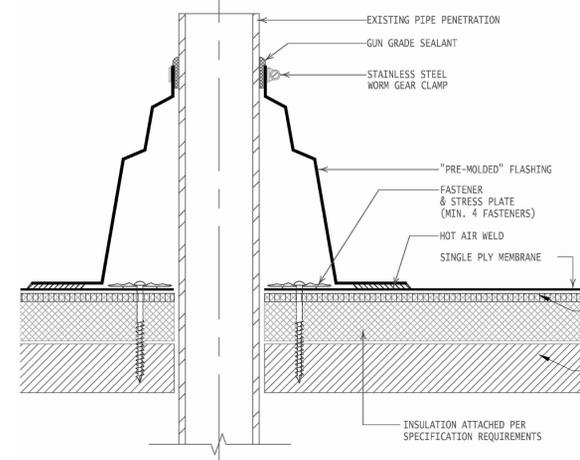
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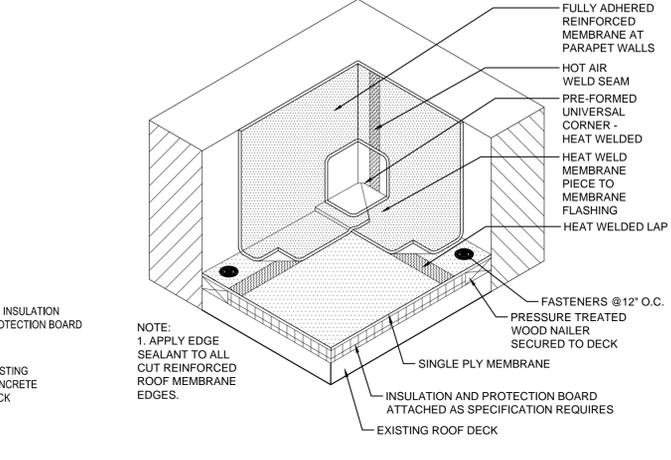
1
A2
DETAIL
At Roof Drain
NOT TO SCALE



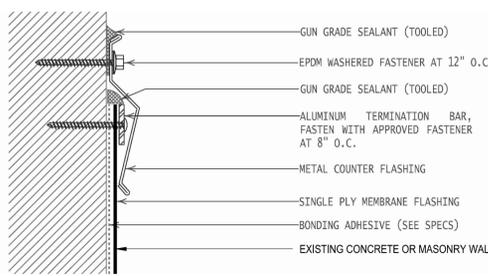
2
A2
DETAIL
at (LOW) Vertical Wall Flashing
NOT TO SCALE



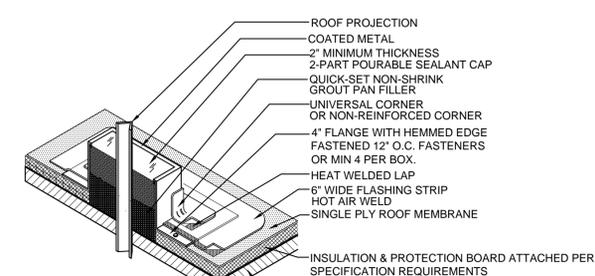
3
A-2
DETAIL
at Vent Stack
NOT TO SCALE



4
A-2
DETAIL
At Parapet Wall Inside Corner
NOT TO SCALE

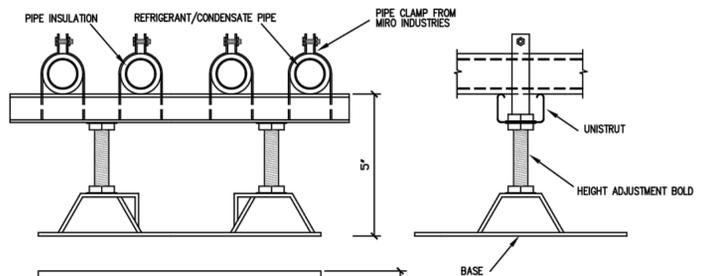


6
A2
DETAIL
at (HIGH) Vertical Wall Flashing
NOT TO SCALE



- NOTE**
- BEND COATED METAL TO FORM A SEALANT BOX AS SHOWN. STRIP IN VERTICAL SEAM WHERE BOX IS JOINED TOGETHER.
 - ALLOW 2" CLEARANCE AROUND THE PROJECTION. IF MULTIPLE PROJECTIONS, ALLOW 1" BETWEEN PROJECTION AND BOX.
 - INSIDE SURFACE OF COATED METAL SEALANT BOX (BARE METAL SIDE) MUST BE CLEAN AND DRY BEFORE SEALANT IS APPLIED.
 - EXISTING PROJECTION MUST BE CLEANED AND FREE OF ANY INSULATING MATERIALS.
 - PREMOLDED HEAT WELDABLE PIPE BOOTS MAY ALSO BE USED. CUT OFF STEPPED SECTIONS OF BOOT LEAVING LARGE BOTTOM OF BOOT INTACT. WELD FLANGE IN PLACE AND FILL WITH POURABLE SEALER TO TOP AND ADD STAINLESS STEEL BAND.
 - IF USING BOOT, PRIME INSIDE OF BOOT. DO NOT CUT BOOT.
 - APPLY CUT EDGE SEALANT TO ALL CUT REINFORCED EDGES

8
A2
DETAIL
at Pitch Pocket
NOT TO SCALE



5
A2
SUPPORT DETAIL
NOT TO SCALE

MIRO 2.5 - CONDUIT SUPPORT-5,7, OR 12 FOR CONDENSATE & ELECTRICAL CONDUIT
NOT TO SCALE

- FOR CONDUIT AND CONDENSATE PIPE SUPPORT USE MIRO# 2.5 CONDUIT SUPPORT-5,7 OR 12 DEPENDING UPON PIPE HEIGHT- INCLUDING SUPPORT PAD
- FOR GAS PIPE SUPPORT USE MIRO# 3-RAH-7, 12, OR 4-RAH-7, 12 INCLUDING SUPPORT PAD.

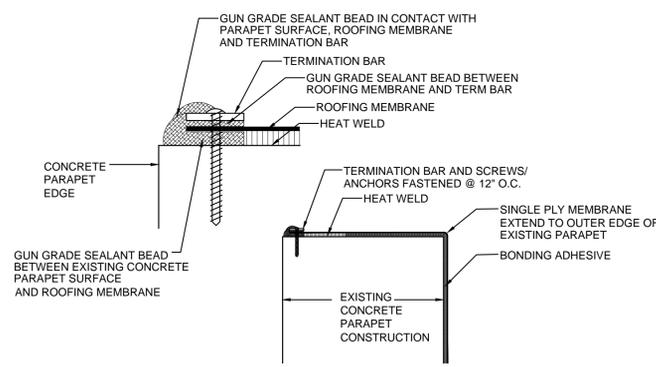
NOTE: NOT TO EXCEED 10 FOOT CENTER AND MAX. WEIGHT 100 POUNDS

Note regarding **DETAIL at Existing Rooftop Equipment Curb and At Existing Roof Top Appurtenance:**
DETAIL 7/A2 is similar to DETAIL 6/A2 at (HIGH) Vertical Wall Flashing. New Metal Counterflashing is omitted.
At plan locations where Detail 7/A2 is identified, existing Rooftop Equipment and the Existing Sheet Metal Caps are to remain in place during demolition and new construction. Temporarily bend the existing metal cap out and install the single ply flashing and termination bar assembly as shown in Detail 6/A2. Bend Existing Sheet Metal Base Caps back into original position after new roofing installation and repaint existing sheet meta (see specs).

7
A2
DETAIL
At Existing Roof Top Equipment Curb and At Existing Roof Top Appurtenance
NOT TO SCALE

Note regarding **DETAIL at Threshold:**
DETAIL 10/A2 at Threshold is similar to DETAIL 6/A2 at (HIGH) Vertical Wall Flashing. At plan locations where Detail 10/A2 is identified, omit the installation of Metal Counterflashing. Install termination bar tight to the threshold underside.

10
A2
DETAIL
at Threshold
NOT TO SCALE



9
A2
DETAIL
At Top of Parapet Wall
NOT TO SCALE

NOTE TO CONTRACTOR:
Reference General Roof Notes on Sheet A-1 for all Details this sheet

revisions
no. date

seal
JOHN R. PRUETT
REGISTERED ARCHITECT
STATE OF TENNESSEE
NO. 20969
EXPIRES 12-31-15

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sheet name
DETAILS

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A2