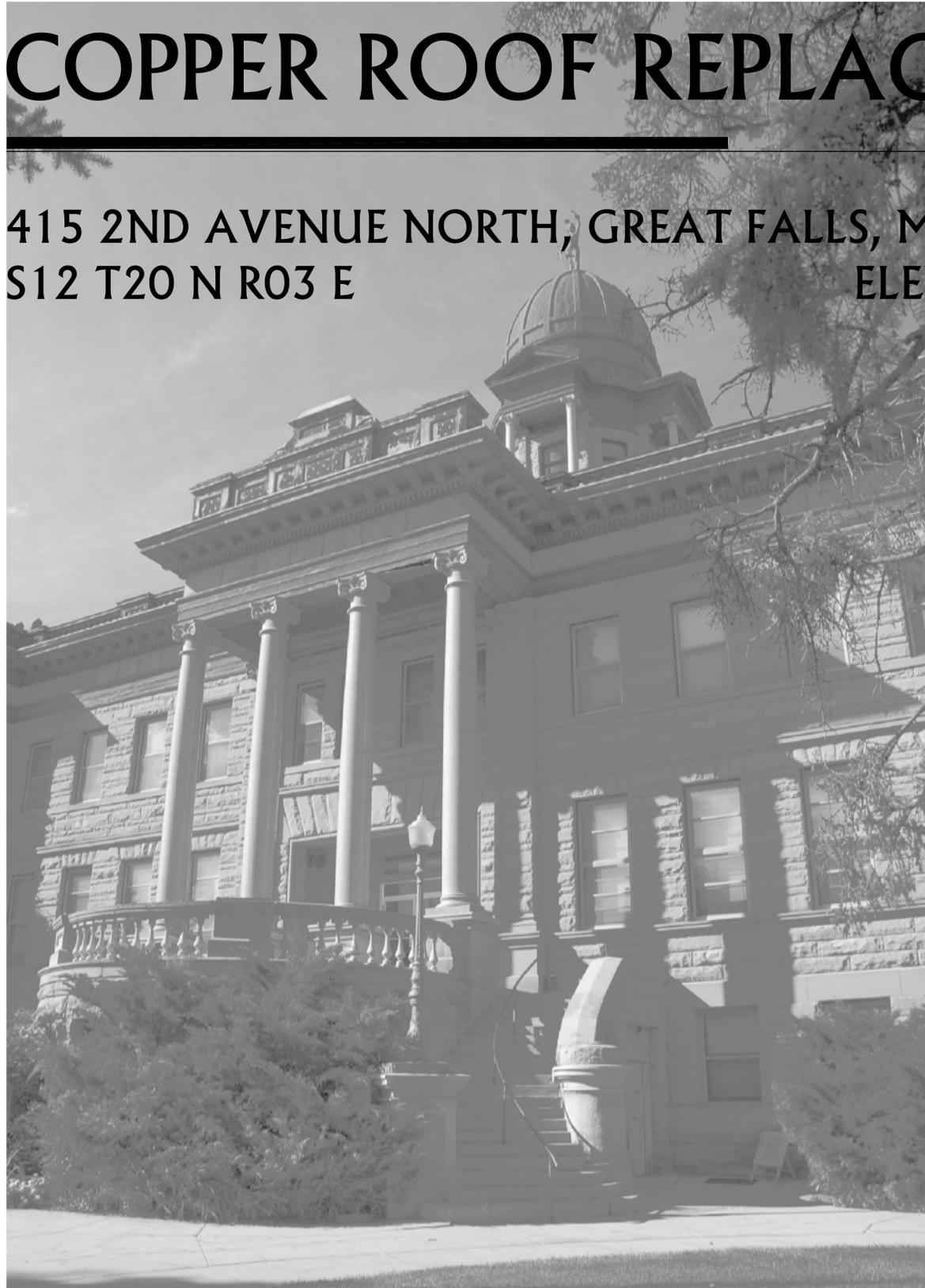


# CASCADE COUNTY COURTHOUSE

## COPPER ROOF REPLACEMENT

415 2ND AVENUE NORTH, GREAT FALLS, MT 59401  
 S12 T20 N R03 E ELEV: 3,330'



ISSUE DATE: 10.16.15  
 ISSUED FOR: BIDDING & CONSTRUCTION  
 PROJECT NO. 14036.00  
 STPE NO. 5299 (109)

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### PROJECT TEAM

#### OWNER

BOARD OF COUNTY COMMISSIONERS  
 CASCADE COUNTY COURTHOUSE ANNEX  
 325 2ND AVE NORTH, ROOM 111  
 GREAT FALLS, MT 59401

#### ARCHITECT

A&E ARCHITECTS, PC  
 222 N. HIGGINS  
 MISSOULA, MT 59802  
 406.721.5643

#### ENGINEER

WISS, JANNEY, ELSTNER ASSOC., INC.  
 10 S. LASALLE STREET, SUITE 2600  
 CHICAGO, ILLINOIS 60603  
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DRAWING PROJECT OWNER  
 COVER SHEET  
 CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
 BOARD OF COUNTY COMMISSIONERS  
 CASCADE COUNTY COURTHOUSE ANNEX  
 325 2ND AVE NORTH, ROOM 111, GREAT FALLS, MT 59401

PROJECT NO 14036  
 ISSUE DATE 3.17.15  
 REVISIONS 4.15.15  
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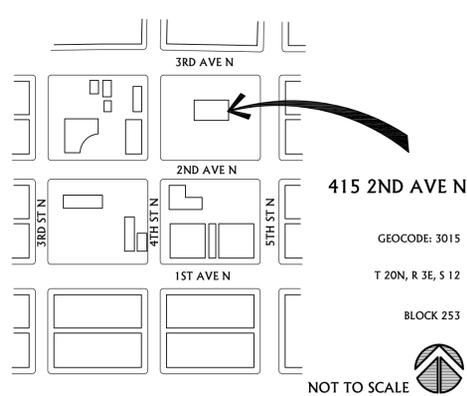
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COVER

# EXPLANATION OF SYMBOLS

KEYNOTE TAG	GRID LINE NUMBER	SECTION TAG - DETAIL NUMBER PAGE LOCATION	<b>TYPICAL SHEET LAYOUT</b> <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr> <tr><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> </table>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	2	3		4	5																		
6	7	8	9	10																			
11	12	13	14	15																			
16	17	18	19	20																			
DEMOLITION NOTE TAG	HEIGHT - ELEVATION SPOT LOCATION	INT ELEV TAG DETAIL NUMBERS (4) PAGE LOCATION																					
WALL TYPE TAG	ROOM NAME ROOM NUMBER	DETAIL TAG - DETAIL NUMBER PAGE LOCATION	<b>13 DETAIL</b> A2.1 : A3.1      1/8" = 1'-0" SHEET WHERE DETAIL APPEARS SHEET OF ORIGIN																				
WINDOW TAG BUILDING.WINDOW-NUMBER	ELEVATION TAG - DETAIL NUMBER PAGE LOCATION	PHOTOGRAPH REFERENCE																					
DOOR TAG BUILDING.DOOR-NUMBER																							

# VICINITY MAP



# PROJECT SUMMARY

USE ZONE: CENTRAL BUSINESS DISTRICT  
 OCCUPANCY: A-3 COURTROOMS  
 B CIVIC ADMINISTRATION  
 BUILDING TYPE: V-B  
 ACTUAL GROSS AREA: EXISTING  
 MAXIMUM HEIGHT: EXISTING

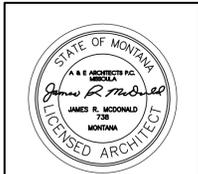
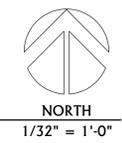
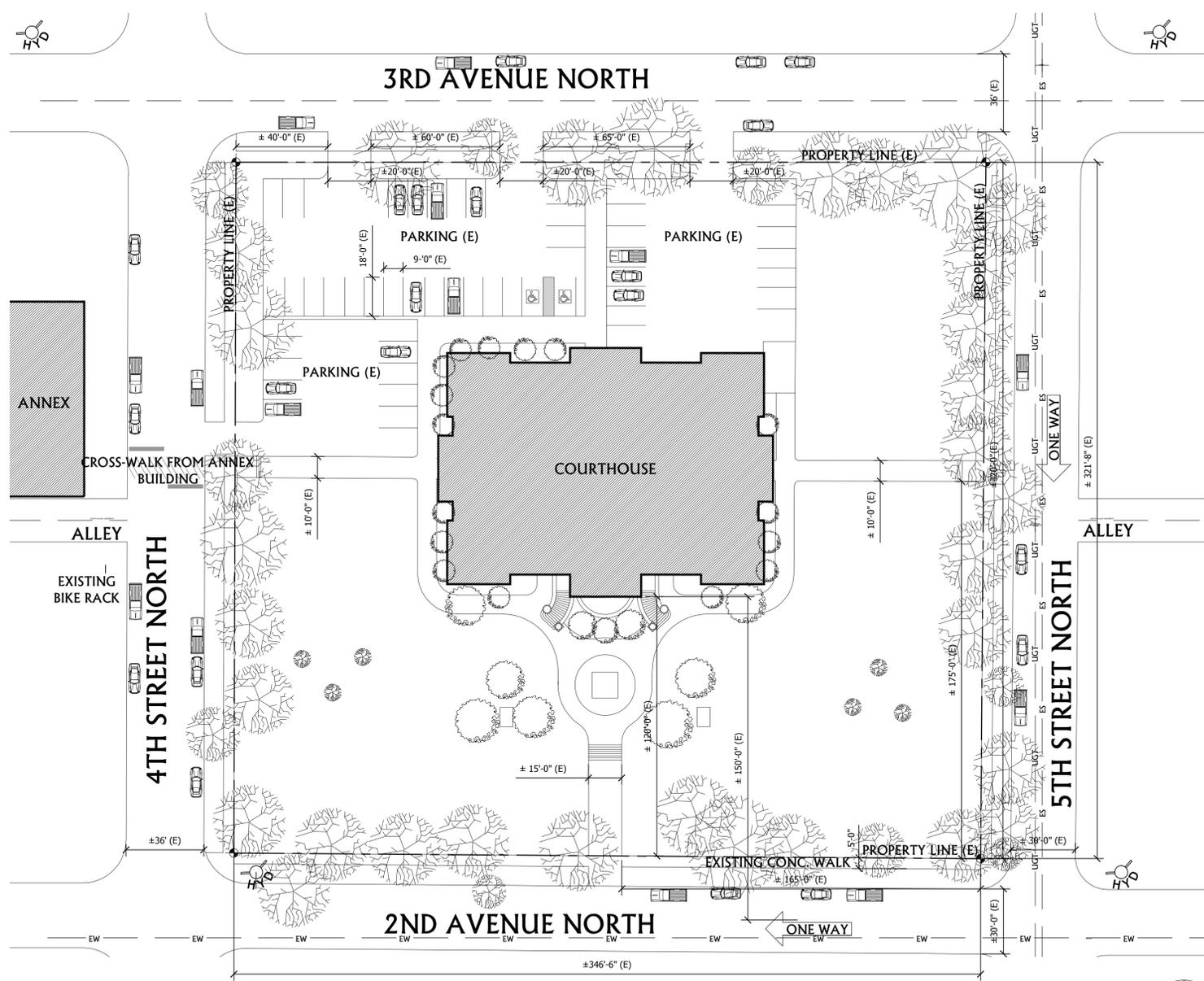
# GENERAL PROJECT NOTES

- DRAWINGS CONTAINED WITHIN THESE DOCUMENTS ARE ABBREVIATED IN NATURE. USE QUALITY, ACCEPTABLE CONSTRUCTION PRACTICES & TECHNIQUES TO ACHIEVE WORK INDICATED. PROVIDE ALL NECESSARY LABOR AND MATERIAL TO ACHIEVE FINISHED WORK INDICATED.
- DO NOT SCALE DRAWINGS. IF A DIMENSION DOES NOT EXIST OR IS IN ERROR WITH EXISTING FIELD VERIFIED CONDITIONS, CONTACT THE ARCHITECT IMMEDIATELY FOR WRITTEN CLARIFICATION.
- THE CONTRACTOR SHALL BE COGNIZANT THAT THIS IS A BUILDING RENOVATION PROJECT REQUIRING ADDITIONAL WORK NOT SPECIFICALLY INDICATED ON THE DRAWINGS. CERTAIN ITEMS CANNOT BE FULLY INDICATED OR EXPLAINED ON THE DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO BIDDING WORK AND NOTIFY ARCHITECT OF ANY CONDITION NOT CONTAINED WITHIN THE DOCUMENTS THAT MAY AFFECT THE WORK.
- PROTECT ALL CURBS, GUTTERS, SIGNS, SIDEWALKS, LIGHTS, AND ALL OTHER LANDSCAPE ELEMENTS AND SITE IMPROVEMENTS DURING THE DURATION OF THIS CONTRACT. REMOVE AND REPLACE DAMAGED ITEMS WITH NEW TO THE SATISFACTION OF THE OWNER AND ARCHITECT.
- TEMPORARY CLOSURES OF PUBLIC ACCESS POINTS MUST BE APPROVED BY OWNER NO LATER THAN 72 HOURS PRIOR TO PROPOSED TIME OF TEMPORARY CLOSURE.
- REMOVE ASBESTOS-CONTAINING MATERIALS AND LEAD-IN-PAINT IN EXTENTS NECESSARY TO PERFORM THE WORK INDICATED IN ACCORDANCE WITH TDB&H ENGINEERING'S REVISED LIMITED PRE-RENOVATION ASBESTOS AND LEAD-IN-PAINT INSPECTION REPORT DATED SEPTEMBER 25, 2015 INCLUDED IN THE PROJECT MANUAL.

# ARCHITECTURAL ABBREVIATIONS

AB ANCHOR BOLT	CAB CABINET	(E) EXISTING	GA GAUGE / GAGE	(N) NEW	R RADIUS	SS STAINLESS STEEL
ABV ABOVE	CJ CONTROL JOINT	E EAST	GALV GALVANIZED	N NORTH	RA RETURN AIR	ST STONE TILE
A/C AIR CONDITIONING	CL CENTERLINE	EA EACH	GB GYPSUM BOARD	NIC NOT IN CONTRACT	RB RUBBER BASE	STND STANDARD
ACT ACOUSTICAL CEILING TILE	CLG CEILING	EJ EXPANSION JOINT	GC GENERAL CONTRACTOR	NOM NOMINAL	RD ROOF DRAIN	
AD AREA DRAIN	CMU CONCRETE MASONRY UNIT	ELEC ELECTRICAL	GL GLASS, GLAZING	NTS NOT TO SCALE	RECY RECYCLE(D)	
ADDL ADDITIONAL	CO CLEAN OUT	EL ELEVATION	GWB GYPSUM WALL BOARD	OC ON CENTER	REF REFERENCE	STL STEEL
ADJ ADJUSTABLE	COL COLUMN	ELEV ELEVATOR	GYP GYPSUM	OD OUTSIDE DIAMETER/OVERFLOW DRAIN	REFRIG REFRIGERATOR / REFRIGERATION	STRUCT STRUCTURAL
AFF ABOVE FINISH FLOOR	CONC CONCRETE	EQ EQUAL		OPNG OPENING	REINFR REINFORCE	TEMP TEMPERED
ALT ALTERNATE	CONT CONTINUOUS	EQUIP EQUIPMENT		OPP OPPOSITE	REQD REQUIRED	THK THICK
ALUM ALUMINUM	CONST CONSTRUCTION	EWEC ELECTRIC WATER COOLER	HC HANDICAP	OVHD OVERHEAD	RM ROOM	THRESH THRESHOLD
ARCH ARCHITECT(URAL)	CG CORNER GUARD	EXH EXHAUST	HDR HEADER		RO ROUGH OPENING	T.O. TOP OF
AWN AWNING	CPT CARPET	EXIST EXISTING	HDW HARDWARE	PL PLATE	ROW RIGHT OF WAY	TOBM TOP OF BEAM
	CSMT CASEMENT	EXP EXPANSION / EXPOSED	HM HOLLOW METAL	PLAM PLASTIC LAMINATE		T.O.P. TOP OF PLATE
BO BOTTOM OF	CT CERAMIC TILE	EXT EXTERIOR	HORIZ HORIZONTAL	PLYWD PLYWOOD	SAB SOUND ATTENUATION BLANKETS	T.O.S. TOP OF STEEL
BD BOARD			MAS MASONRY	PNT PANEL	SOUTH SOUTH	T/ TOP OF
BLDG BUILDING	D DEEP	FACP FIRE ALARM CONTROL PANEL	MATL MATERIAL	POLY POLYESTER / POLYOLEFIN	SC SOLID CORE	T&G TONGUE AND GROOVE
BLKG BLOCKING	DF DRINKING FOUNTAIN	FD FLOOR DRAIN	MAX MAXIMUM	PSF POUNDS PER SQUARE FOOT	SCHED SCHEDULE	TEL TELEPHONE
BM BEAM OR BENCHMARK	DH DOUBLE HUNG	FE FIRE EXTINGUISHER	MECH MECHANIC(AL)	PSI POUNDS PER SQUARE INCH	SECT SECTION	THK THICK
BRG BEARING	DM(S) DIMENSIONS	FEC FIRE EXTINGUISHER CABINET	MEZZ MEZZANINE	PT PRESSURE TREATED / POINT PAVEMENT	SFRM SPRAY APPLIED FIRE RESISTIVE MATERIAL	TRANS TRANSON
BTWN BETWEEN	DISP DISPENSER	FFL FINISHED FLOOR	MFR MANUFACTURER	QTR QUARTER	SGL SINGLE	UNO UNDERWRITERS LABORATORY
BUR BUILT - UP ROOF	DN DOWN	FLR FLOOR	MH MANHOLE	QTY QUANTITY	SHT SHEET	
	DR DOOR	FND FOUNDATION	MIN MINIMUM		SIM SIMILAR	
	DS DOWNSPOUT	FR FRAME	MISC MISCELLANEOUS		SOD SLAB ON DECK	
	DTL DETAIL	FT FEET/FOOT / FIRE TREATED	MO MASONRY OPENING		SOG SLAB ON GRADE	
	DWG DRAWING	FT NG FOOTING	MTL METAL		SOH SAME OPPOSITE HAND	

# SITE PLAN



**SITE PLAN & GENERAL PROJECT INFORMATION**

**PROJECT**  
 CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT

**OWNER**  
 BOARD OF COUNTY COMMISSIONERS  
 CASCADE COUNTY COURTHOUSE ANNEX  
 325 2ND AVE NORTH, ROOM 1111, GREAT FALLS, MT 59401

PROJECT NO	14036
ISSUE DATE	3.17.15
REVISIONS	4.15.15
	10.16.15

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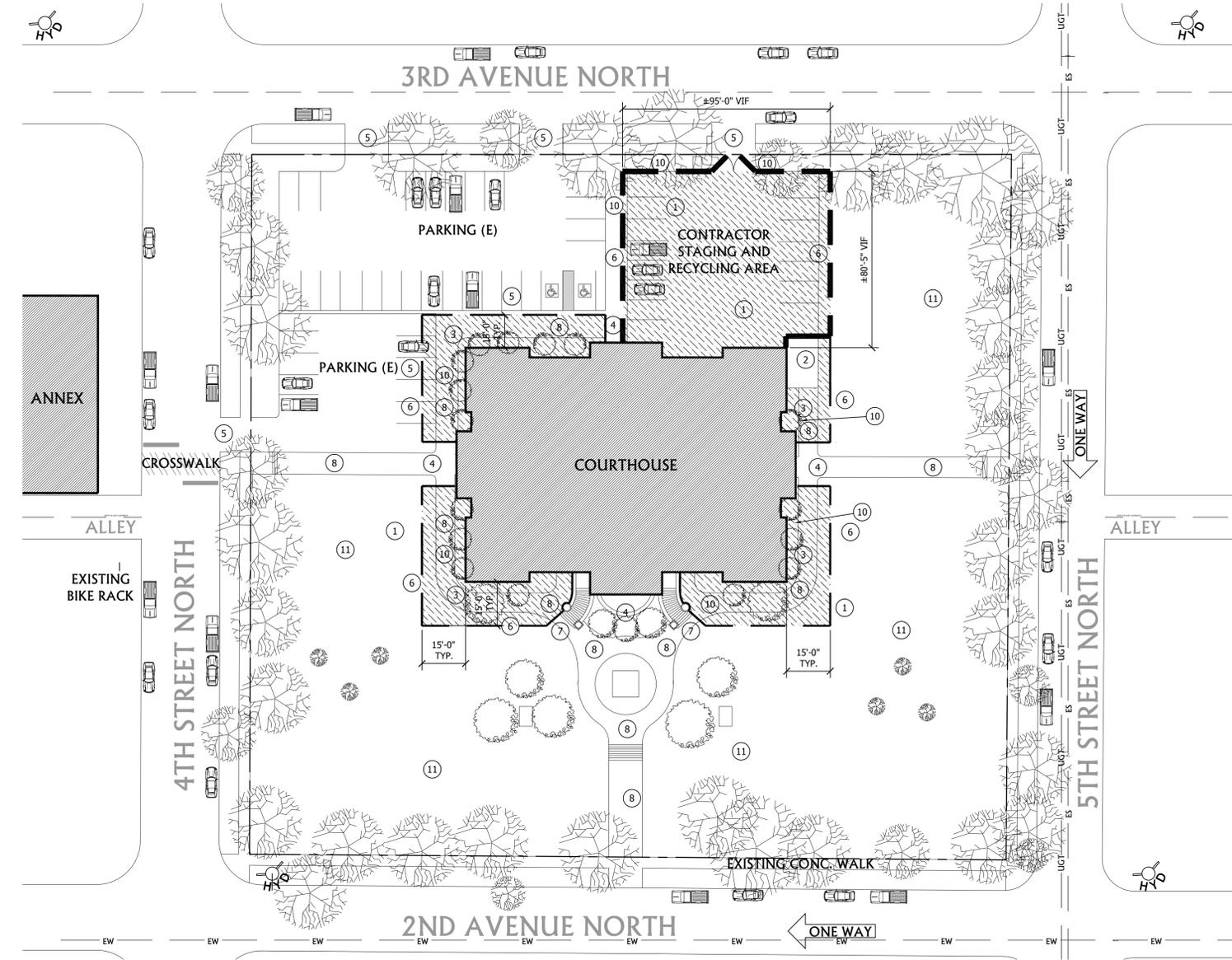
### GENERAL PROJECT NOTES

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3. THE CONTRACTOR SHALL BE COGNIZANT THAT THIS IS A BUILDING RENOVATION PROJECT REQUIRING ADDITIONAL WORK NOT SPECIFICALLY INDICATED ON THE DRAWINGS. CERTAIN ITEMS CANNOT BE FULLY INDICATED OR EXPLAINED ON THE DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO BIDDING WORK AND NOTIFY ARCHITECT OF ANY CONDITION NOT CONTAINED WITHIN THE DOCUMENTS THAT MAY AFFECT THE WORK.
4. PROTECT ALL CURBS, GUTTERS, SIGNS, SIDEWALKS, LIGHTS, AND ALL OTHER LANDSCAPE ELEMENTS AND SITE IMPROVEMENTS DURING THE DURATION OF THIS CONTRACT. REMOVE AND REPLACE DAMAGED ITEMS WITH NEW TO THE SATISFACTION OF THE OWNER AND ARCHITECT.
5. TEMPORARY CLOSURES OF PUBLIC ACCESS POINTS MUST BE APPROVED BY OWNER NO LATER THAN 72 HOURS PRIOR TO PROPOSED TIME OF TEMPORARY CLOSURE.
6. REMOVE ASBESTOS-CONTAINING MATERIALS AND LEAD-PAINT IN EXTENTS NECESSARY TO PERFORM THE WORK INDICATED IN ACCORDANCE WITH T&B ENGINEERING'S REVISED LIMITED PRE-RENOVATION ASBESTOS AND LEAD-PAINT INSPECTION REPORT DATED SEPTEMBER 25, 2015 INCLUDED IN THE PROJECT MANUAL.

### # SITE PLAN KEYNOTES

1	HATCH INDICATES APPROXIMATE AREA OF CONTRACTOR'S SECURITY FENCED STAGING AND RECYCLING AREA.
2	EXISTING COOLING TOWER AND FENCED ENCLOSURE; PROTECT. MAINTAIN OWNERS ACCESS.
3	EXISTING HARDSCAPE AND PLANTED LANDSCAPE ADJACENT TO BUILDING. PROTECT AND PRESERVE FROM DAMAGE DURING CONSTRUCTION ACTIVITIES.
4	MAINTAIN OWNERS ACCESS TO ENTRY DOOR(S). SCHEDULE TEMPORARY CLOSURES AS NECESSARY. COORDINATE ALL CLOSURES WITH OWNER, TYP.
5	MAINTAIN EXISTING PARKING LOT ACCESS, TYPICALLY. COORDINATE ANY TEMPORARY CLOSURE W/ OWNER.
6	DASH LINE INDICATES EXISTING LIMITS OF CONTRACTORS TEMPORARY ACCESS SURROUNDING BUILDING.
7	EXISTING GRANITE AND SANDSTONE STAIRS, PROTECT. COORDINATE ANY TEMPORARY CLOSURE NECESSARY DUE TO WORK WITH THE OWNER.
8	EXISTING SIDEWALK, PROTECT.
9	NOT USED.
10	EXISTING LANDSCAPING WITHIN CONTRACTORS STAGING AREA, AND IMMEDIATELY ADJACENT TO CONTRACTOR STAGING AREA, TO REMAIN; PROTECT FROM DAMAGE.
11	EXISTING LAWN AREA, PROTECT.

LEGEND	
ITEM	DESCRIPTION
	HATCH INDICATES CONTRACTOR'S STAGING AREA AND PROJECT ACCESS



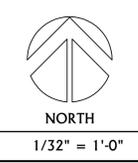
SITE PLAN STAGING AREAS  
 CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
 BOARD OF COUNTY COMMISSIONERS  
 CASCADE COUNTY COURTHOUSE ANNEX  
 325 2ND AVE NORTH, ROOM 111, GREAT FALLS, MT 59401

DRAWING  
 PROJECT  
 OWNER

PROJECT NO 14036  
 ISSUE DATE 3.17.15  
 REVISIONS 4.15.15  
 10.16.15

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### GENERAL DEMOLITION NOTES

- CONTRACTOR SHALL COORDINATE DEMOLITION WITH FIELD CONDITIONS AND EXTENTS OF NEW WORK SHOWN IN THESE CONTRACT DOCUMENTS. NOTIFY ARCHITECT IMMEDIATELY OF ANY QUESTIONABLE CONDITIONS.
- CONTRACTOR SHALL CONDUCT ALL NECESSARY EXPLORATORY ACTIVITIES TO LOCATE AND PROTECT EXISTING SYSTEMS AND/OR STRUCTURES TO REMAIN PRIOR TO THE START OF DEMOLITIONS WORK.
- COORDINATE MISCELLANEOUS DEMOLITION / REMOVAL OF FINISHES TO REMAIN TO ACCOMMODATE NEW SYSTEMS INSTALLATION. PATCH AND REPAIR FINISH TO MATCH IN-KIND TO EXISTING FOLLOWING INTEGRATION.
- CONTRACTOR TO PROTECT EXISTING BUILDING AND ELEMENTS DURING CONSTRUCTION, TYP.
- CONTRACTOR SHALL MAINTAIN A WEATHER TIGHT ENVIRONMENT DURING ROOF REMOVAL AND REPLACEMENT, TYPICAL. ANY ELEMENTS DAMAGED OR DISTURBED BY DEMOLITION / NEW WORK SHALL BE REPLACED IN ITS ENTIRETY TO MATCH IN-KIND TO EXISTING AT CONTRACTOR'S EXPENSE. UPON COMPLETION NEW AND EXISTING WORK SHALL INTEGRATE SEAMLESSLY TO CREATE A FINISHED ARCHITECTURAL APPEARANCE.
- REMOVE ASBESTOS-CONTAINING MATERIALS AND LEAD-IN-PAINT IN EXTENTS NECESSARY TO PERFORM THE WORK INDICATED IN ACCORDANCE WITH TD&H ENGINEERING'S REVISED LIMITED PRE-RENOVATION ASBESTOS AND LEAD-IN-PAINT INSPECTION REPORT DATED SEPTEMBER 25, 2015 INCLUDED IN THE PROJECT MANUAL.
- DIMENSIONS GIVEN ARE FOR REFERENCE ONLY, FIELD VERIFY ALL CONDITIONS.
- CLEAN AND MAINTAIN ROOF DRAINS AS SPECIFIED.
- REFER TO THE SPECIFICATION WHICH INDICATES EXTENTS OF (E) COPPER FINISHES TO BE SALVAGED AND USED AS MEANS OF DEMONSTRATING 'IN-KIND' REPLACEMENT.

### # DEMOLITION KEYNOTES

1	REMOVE (E) COPPER BATTEN (RIBBED) SEAM ROOF FINISH IN ITS ENTIRETY, EXPOSE SHEATHING. SALVAGE SOUND WOOD BATTENS FOR REUSE.
2	REMOVE (E) COPPER PARAPET FINISHES AND FLASHING TO EXPOSE WOOD SUBSTRATE.
3	REMOVE (E) COPPER BALUSTRADE AND BALUSTERS - SEE SPEC FOR ADDITIONAL REQUIREMENTS.
4	REMOVE (E) EPDM MEMBRANE ROOF, FLASHING, TERMINATION BARS, COVER BOARD DIVERTERS, ETC. TO EXPOSE WOOD SHEATHING.
5	REMOVE (E) COPPER FLAT SEAM ROOFING IN ITS ENTIRETY TO EXPOSE WOOD SHEATHING.
6	(E) SKYLIGHT TO REMAIN. PROTECT, COORD W/ ADJACENT DEMO WORK.
7	(E) ROOF ACCESS HATCH TO REMAIN. PROTECT, COORD W/ DEMO WORK.
8	REMOVE (E) COPPER ROOF JACK FLASHING.
9	(E) METAL TIE ROD TO REMAIN, COORD. W/ DEMO WORK
10	REMOVE UNUSED ROOF ACCESS HATCH IN ITS ENTIRETY. PREPARE OPENING FOR NEW CONSTRUCTION.
11	REMOVE (E) COPPER DRAIN PIPE FROM MAIN ROOF TO BUILT-IN GUTTER (CORNICE), TYP.
12	REMOVE (E) EXHAUST FLUE METAL SCREEN, NO SALVAGE, TYP.
13	REMOVE (E) STATUE LIGHT FIXTURE FOR REMOVAL OF COPPER FINISHES AND SALVAGE FOR REINSTALLATION.
14	CAP UNUSED (E) INTERNAL ROOF DRAIN COVERED BY MEMBRANE ROOF.
15	REMOVE (E) PYRAMID FINIAL - SEE SPEC FOR ADDITIONAL REQUIREMENTS.
16	(E) SANDSTONE CHIMNEY.
17	(E) LARGE ATTIC VENTILATOR TO REMAIN, PROTECT IN PLACE, COORD W/ DEMO WORK.
18	COPPER BATTEN DOME, REMOVE AND REPLACE COPPER IN ITS ENTIRETY, SALVAGE SOUND WOOD BATTENS FOR REUSE, TYP.
19	"LADY JUSTICE" STATUE, PROTECT IN PLACE, FIELD COORD.
20	REMOVE (E) COPPER DOME ROOF ACCESS.
21	(E) BUILT-IN COPPER FINISH GUTTER TO REMAIN, PROTECT. CLEAN AND REMOVE (E) ASPHALT AND BITUMINOUS FINISH IN PREPARATION FOR NEW GUTTER FINISH. REFER TO GENERAL DEMO NOTE #6, ABOVE.
22	(E) OVERFLOW DRAIN IN COPPER GUTTER, TYP.
23	(E) COPPER GUTTER DRAIN SCREEN, REMOVE TO COORDINATE W/ NEW GUTTER FINISH TYP.

### LEGEND

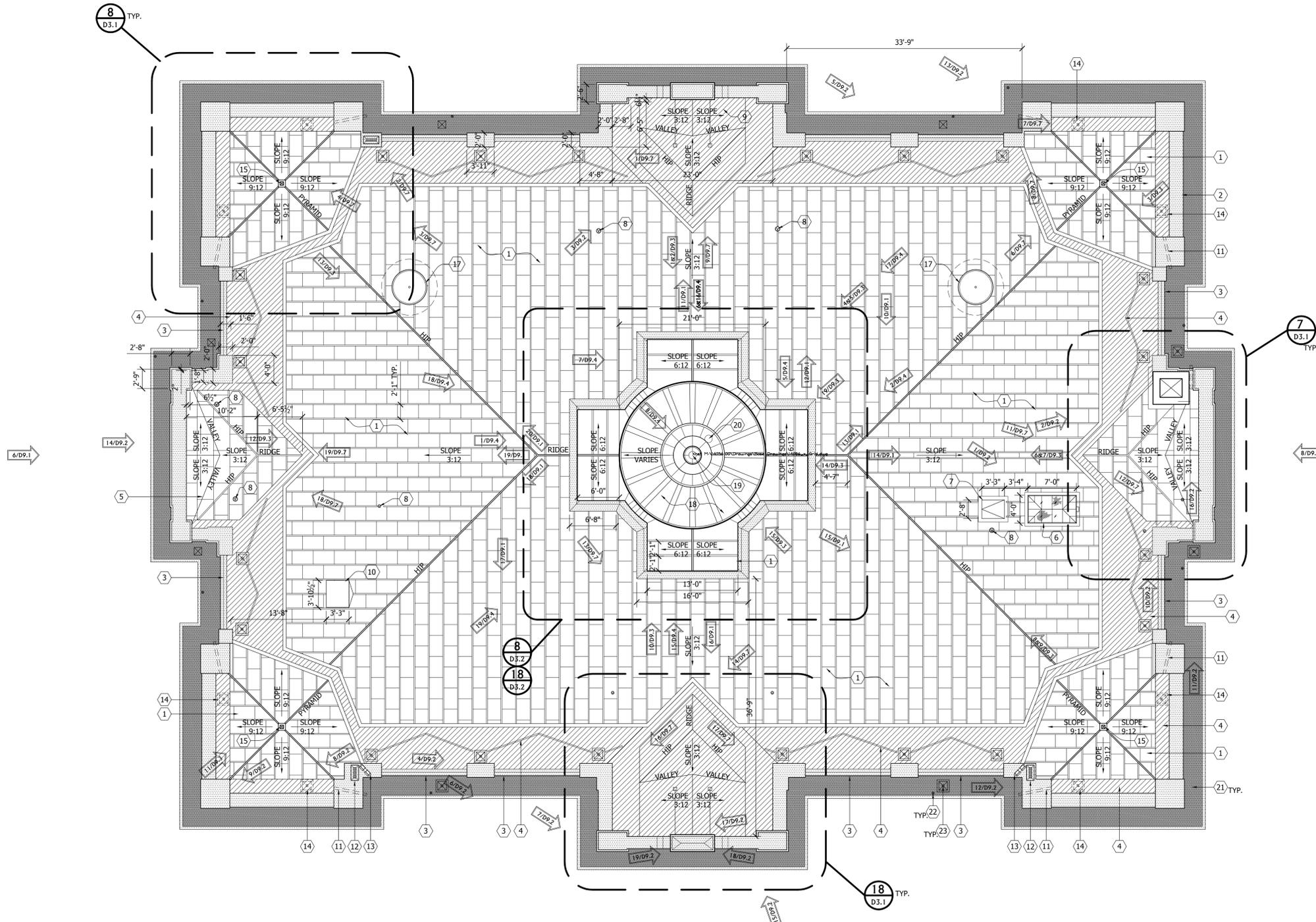
ITEM	DESCRIPTION	SYMBOL	DESCRIPTION
(E) BATTEN (RIBBED) SEAM COPPER ROOFING		•	ROOF VENT
COPPER FLASHING		▮	EXHAUST FLUE
EPDM ROOFING		▮	STATUE LIGHT
INTERNAL ROOF DRAIN		⊗	BUILT-IN GUTTER
EMERGENCY OVERFLOW ROOF DRAIN THRU CORNICE		*	

DEMOLITION ROOF PLAN  
 CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
 BOARD OF COUNTY COMMISSIONERS  
 CASCADE COUNTY COURTHOUSE ANNEX  
 325 2ND AVE NORTH, ROOM 111, GREAT FALLS, MT 59401

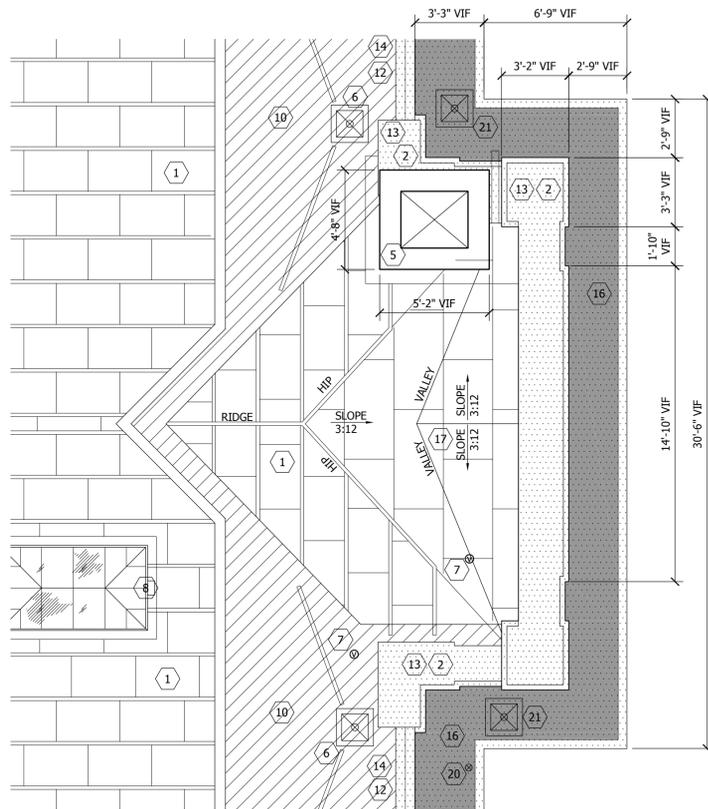
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**D2.1**



**16** DEMOLITION ROOF PLAN  
D2.1 : D2.1

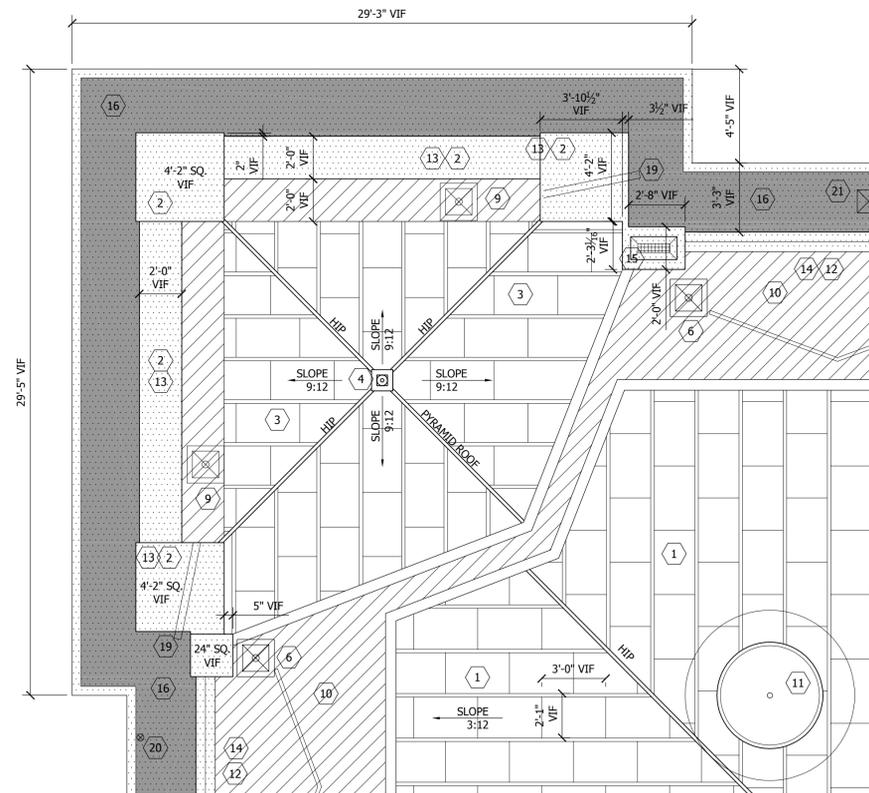


**7** DEMOLITION PLAN EAST DORMER (WEST SIM)

D2.1 : D3.1



1/4" = 1'-0"

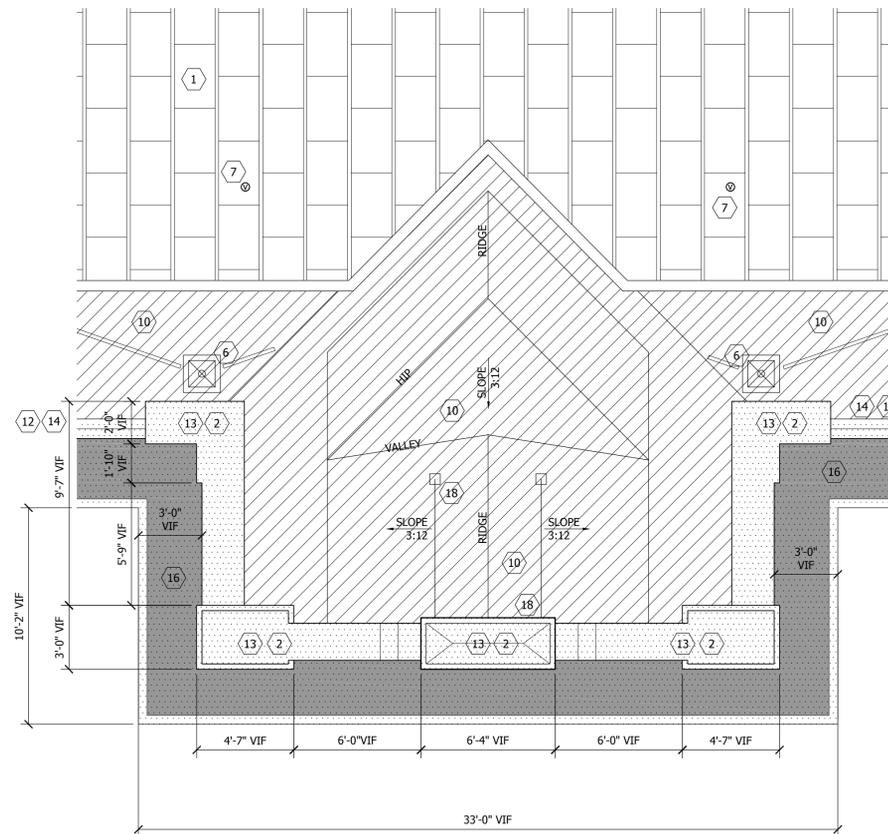


**8** DEMOLITION PLAN PYRAMID ROOF - TYPICAL (4 LOCATIONS)

D2.1 : D3.1



1/4" = 1'-0"



**18** DEMOLITION PLAN SOUTH DORMER (NORTH SIMILAR)

D2.1 : D3.1



1/4" = 1'-0"

**# GENERAL DEMOLITION NOTES**

1. REMOVE EXISTING COPPER FINISHES IN THEIR ENTIRETY TO EXPOSE WOOD SHEATHING.
2. REMOVE EXISTING FLASHINGS AND COUNTER FLASHING IN THEIR ENTIRETY. SALVAGE SOUND WOOD BATTENS, TYPICALLY - SEE SPECIFICATIONS.
3. REFERENCE D9.5 & D9.6 FOR CAST IRON WORK NOT NOTED ON THESE SHEETS.
4. REFERENCE D3.2 FOR SANDSTONE WORK NOT INDICATED ON THESE SHEETS.
5. PROTECT AND MAINTAIN (E) ROOF DRAINS - SEE SPECIFICATIONS.
6. MAINTAIN & PROTECT "LADY JUSTICE" IN PLACE, COORDINATE SELECTIVE DEMOLITION AT BASE w/ COPPER REMOVAL AT DOME.
7. EXPOSE COPPER FINISH IN EXISTING BUILT-IN GUTTER, PREP COPPER SURFACE FOR NEW WORK - TYPICAL.
8. REMOVE EXISTING WATER DAMAGED WOOD SHEATHING AND REPLACE IN-KIND, TYP. REFER TO THE SPECIFICATION WHICH INDICATES EXTENTS OF (E) COPPER FINISHES TO BE SALVAGED AND USED AS MEANS OF DEMONSTRATING 'IN-KIND' REPLACEMENT.
9. REMOVE ASBESTOS-CONTAINING MATERIALS AND LEAD-IN-PAINT IN EXTENTS NECESSARY TO PERFORM THE WORK INDICATED IN ACCORDANCE WITH TD&H ENGINEERING'S REVISED LIMITED PRE-RENOVATION ASBESTOS AND LEAD-IN-PAINT INSPECTION REPORT DATED SEPTEMBER 25, 2015 INCLUDED IN THE PROJECT MANUAL.

**# DEMOLITION KEYNOTES**

1. REMOVE (E) COPPER ROOF AND DRUM COPPER FINISH FROM DOME - TYP. SALVAGE SOUND WOOD BATTENS FOR REUSE, PREPARE SHEATHING FOR NEW FINISH.
2. REMOVE (E) COPPER PEDIMENT FINISH IN ITS ENTIRETY INCLUDING COPPER TYMPANUM AND HORIZONTAL CORNICE FINISHES - SALVAGE SOUND WOOD BATTENS FOR REUSE. PREPARE SHEATHING FOR NEW FINISH.
3. REMOVE (E) COPPER HIP AND PYRAMID ROOF FINISHES. SALVAGE SOUND WOOD BATTENS FOR REUSE, TYPICAL. PREP SHEATHING FOR NEW FINISH.
4. REMOVE (E) COPPER ROOF FINIAL, SEE SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
5. (E) SANDSTONE CHIMNEY, COORD W/ NEW WORK.
6. (E) ROOF DRAIN, COORDINATE WITH REMOVAL OF (E) ROOF FINISH. PREP FOR NEW WORK.
7. REMOVE (E) COPPER VENT ROOF JACK FLASHING, TYP. - SEE SPECIFICATION.
8. PROTECT (E) GLASS SKYLIGHT TO REMAIN - REMOVE (E) COPPER WALL FLASHING - PREPARE SHEATHING FOR NEW FINISH.
9. (E) COVERED/UNUSED ROOF DRAIN BELOW EPDM ROOF FINISH, TYPICAL.
10. REMOVE EPDM MEMBRANE ROOF FINISH, UNDERLAYMENT, FLASHINGS, AND ACCESSORIES IN THEIR ENTIRETY - SALVAGE WOOD BATTENS FOR REUSE. PREPARE SHEATHING FOR NEW FINISH.
11. (E) ATTIC VENT TO REMAIN - PROTECT - COORDINATE REMOVAL OF COPPER ROOF FINISHES & TRIMS ADJACENT - 2 LOCATIONS.
12. SALVAGE (E) COPPER BALUSTER AS SPECIFIED, REMOVE (E) COPPER BALUSTRADE, AND TOP AND BOTTOM RAILS.
13. REMOVE (E) COPPER PARAPET WALL FINISHES IN THEIR ENTIRETY. PREPARE FOR NEW FINISH, SEE SPEC.
14. REMOVE (E) BALUSTER, SEE SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
15. REMOVE (E) EXHAUST FLUE METAL SCREEN, NO SALVAGE. PREP FOR (N) WORK.
16. HATCH INDICATES (E) BUILT-IN COPPER GUTTER AT CORNICE - CLEAN TO REMOVE ASPHALT AND BITUMINOUS FINISHES AND EXPOSE EXISTING COPPER FINISH - PREP COPPER SURFACE FOR NEW WORK - TYPICAL. REFER TO GENERAL DEMO NOTE #11, ABOVE.
17. REMOVE (E) FLAT SEAM COPPER ROOF FINISH IN ITS ENTIRETY - PREPARE SHEATHING FOR NEW FINISH - TYPICAL.
18. PROTECT (E) PARAPET SUPPORT RODS TO REMAIN - TYPICAL. COORDINATE WITH REMOVAL OF ADJACENT ROOFING AND PARAPET WALL FINISHES.
19. REMOVE (E) COPPER THRU-WALL DRAIN PIPE, AND PREPARE SURFACES FOR (N) WORK, TYPICALLY.
20. (E) OVERFLOW DRAIN, COORDINATE WITH PREPARATION OF BUILT-IN GUTTER WORK INDICATED.
21. (E) BUILT-IN GUTTER DRAIN, COORDINATE WITH PREPARATION OF BUILT-IN GUTTER WORK INDICATED.

**LEGEND**

ITEM	DESCRIPTION	SYMBOL	DESCRIPTION
	BATTEN (RIBBED) SEAM COPPER ROOFING		INTERNAL ROOF DRAIN
	COPPER FLASHING		EMERGENCY OVERFLOW ROOF DRAIN THRU CORNICE
	EPDM ROOFING		ROOF VENT
	BUILT-IN GUTTER		



ENLARGED DEMOLITION DORMER & PYRAMID ROOF PLANS  
 CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
 BOARD OF COUNTY COMMISSIONERS  
 CASCADE COUNTY COURTHOUSE ANNEX  
 325 2ND AVE NORTH, ROOM 111, GREAT FALLS, MT 59401

DRAWING PROJECT OWNER

PROJECT NO 14036  
 ISSUE DATE 3.17.15  
 REVISIONS 4.15.15  
 10.16.15

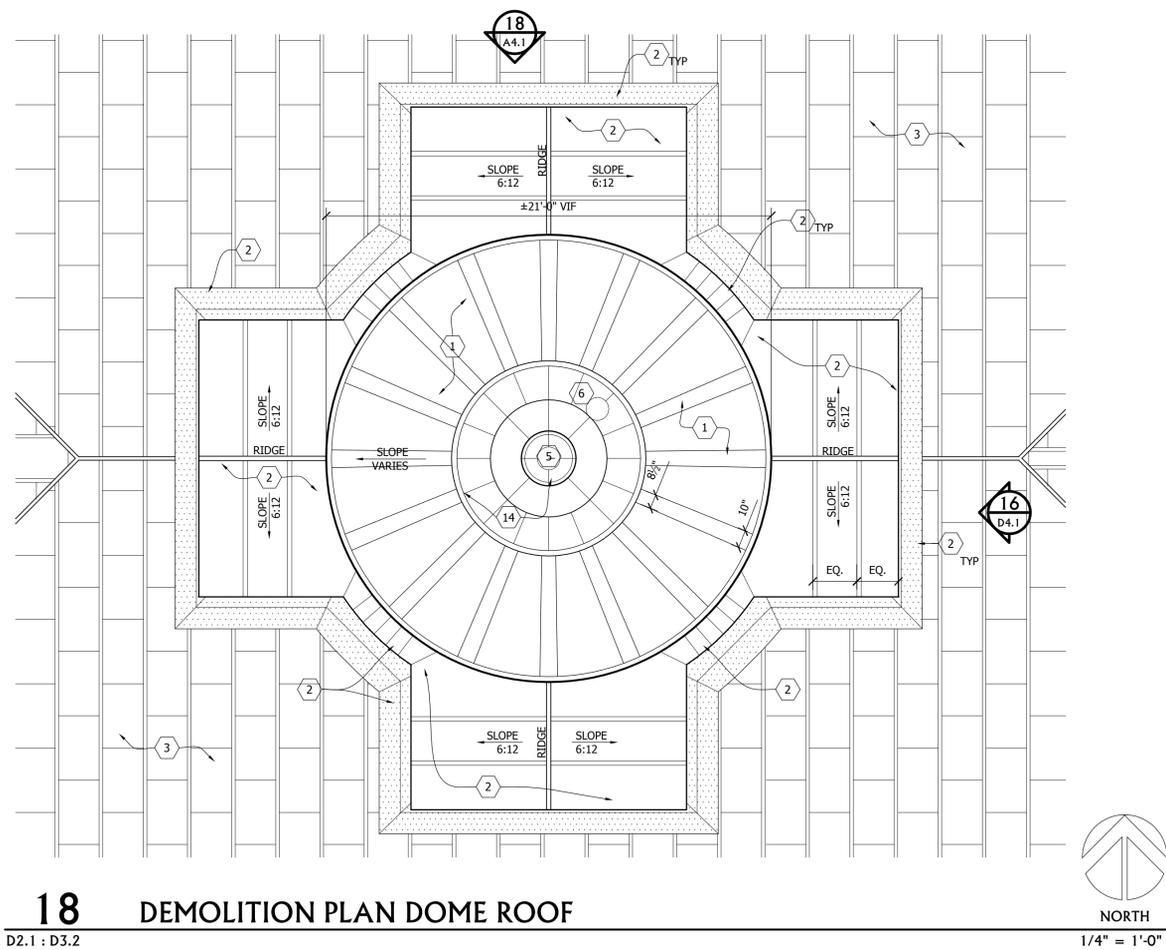
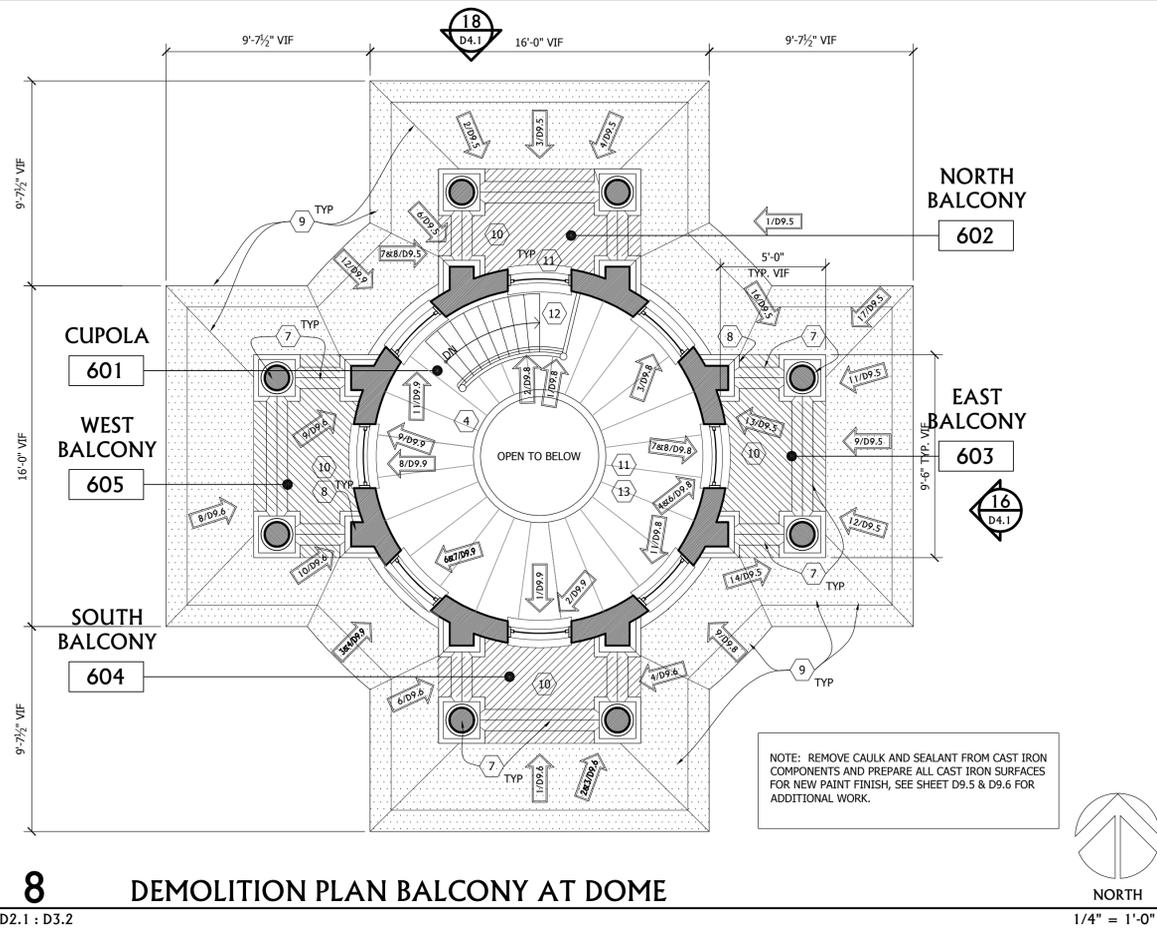


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**D3.1**



## # GENERAL DEMOLITION NOTES

- REMOVE EXISTING COPPER FINISHES IN THEIR ENTIRETY TO EXPOSE WOOD SHEATHING.
- REMOVE EXISTING FLASHINGS AND COUNTER FLASHING IN THEIR ENTIRETY.
- SALVAGE SOUND WOOD BATTENS, TYPICALLY - SEE SPECIFICATIONS.
- REFERENCE D9.5 & D9.6 FOR CAST IRON WORK NOT NOTED ON THESE SHEETS.
- REFERENCE D3.2 FOR SANDSTONE WORK NOT INDICATED ON THESE SHEETS.
- PROTECT AND MAINTAIN (E) ROOF DRAINS - SEE SPECIFICATIONS.
- MAINTAIN & PROTECT "LADY JUSTICE" IN PLACE, COORDINATE SELECTIVE DEMOLITION AT BASE w/ COPPER REMOVAL AT DOME.
- EXPOSE COPPER FINISH IN EXISTING BUILT-IN GUTTER, PREP COPPER SURFACE FOR NEW WORK - TYPICAL.
- REMOVE EXISTING WATER DAMAGED WOOD SHEATHING AND REPLACE IN-KIND, TYP. REFER TO THE SPECIFICATION WHICH INDICATES EXTENTS OF (E) COPPER FINISHES TO BE SALVAGED AND USED AS MEANS OF DEMONSTRATING 'IN-KIND' REPLACEMENT.
- REMOVE ASBESTOS-CONTAINING MATERIALS AND LEAD-IN-PAINT IN EXTENTS NECESSARY TO PERFORM THE WORK INDICATED IN ACCORDANCE WITH TD&H ENGINEERING'S REVISED LIMITED PRE-RENOVATION ASBESTOS AND LEAD-IN-PAINT INSPECTION REPORT DATED SEPTEMBER 25, 2015 INCLUDED IN THE PROJECT MANUAL.

## # DEMOLITION KEYNOTES

- REMOVE (E) COPPER ROOF AND COPPER DRUM FINISH FROM DOME - TYP. SALVAGE SOUND WOOD BATTENS FOR REUSE, PREPARE SHEATHING FOR NEW FINISH.
- REMOVE (E) COPPER PEDIMENT FINISH IN ITS ENTIRETY INCLUDING COPPER TYMPANUM AND HORIZONTAL CORNICE FINISHES - SALVAGE SOUND WOOD BATTENS FOR REUSE. PREPARE SHEATHING FOR NEW FINISH.
- REMOVE (E) COPPER HIP AND PYRAMID ROOF FINISHES. SALVAGE SOUND WOOD BATTENS FOR REUSE, TYPICAL. SALVAGE FINIAL AS SPECIFIED. PREP SUBSTRATE FOR NEW FINISH.
- (E) INTERIOR GUARDRAIL AND OPENING TO BELOW, NO WORK.
- "LADY JUSTICE" AT TOP OF COPPER DOME TO REMAIN, COORDINATE WITH REMOVAL OF ADJACENT COPPER DOME FINISHES.
- REMOVE (E) DOME COPPER ACCESS HATCH
- (E) CAST IRON COLUMNS, CORINTHIAN COLUMN CAPITOLS, BALUSTRADE AND BALUSTERS - REPAIR AS INDICATED.
- (E) SANDSTONE DRUM OF DOME, REPAIR AS INDICATED.
- HATCH INDICATES COPPER FLASHING AND COPPER FINISH AT SCROLL AND WALL AT BASE OF DOME. REMOVE IN ITS ENTIRETY, PREP SHEATHING FOR NEW FINISH, TYPICALLY.
- HATCH INDICATES FLAT ROOF AT BALCONIES, REMOVE COPPER ROOF FINISHES.
- (E) WOOD DOUBLE HUNG WINDOW SASH AT DOME (2 SIZES) TO BE REMOVED AND REPLACED WITH NEW AS INDICATED. PREPARE EXISTING WOOD WINDOW FRAME AND TRANSOM FOR NEW FINISH.
- (E) INTERIOR STAIR AND HANDRAIL, NO WORK.
- (E) INTERIOR DOUBLE HUNG WINDOW FRAME, TRIM AND STOOL, PREPARE FOR NEW FINISH.
- REMOVE (E) COPPER BASE FLASHING AT "LADY JUSTICE" AND TOP OF DOME - PREPARE SHEATHING FOR NEW COPPER FINISH.

LEGEND	
ITEM	DESCRIPTION
[Symbol]	BATTEN (RIBBED) SEAM
[Symbol]	COPPER ROOFING
[Symbol]	COPPER FLASHING
[Symbol]	EPDM ROOFING



ENLARGED DEMOLITION DOME & BALCONY PLANS  
 CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
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D3.2

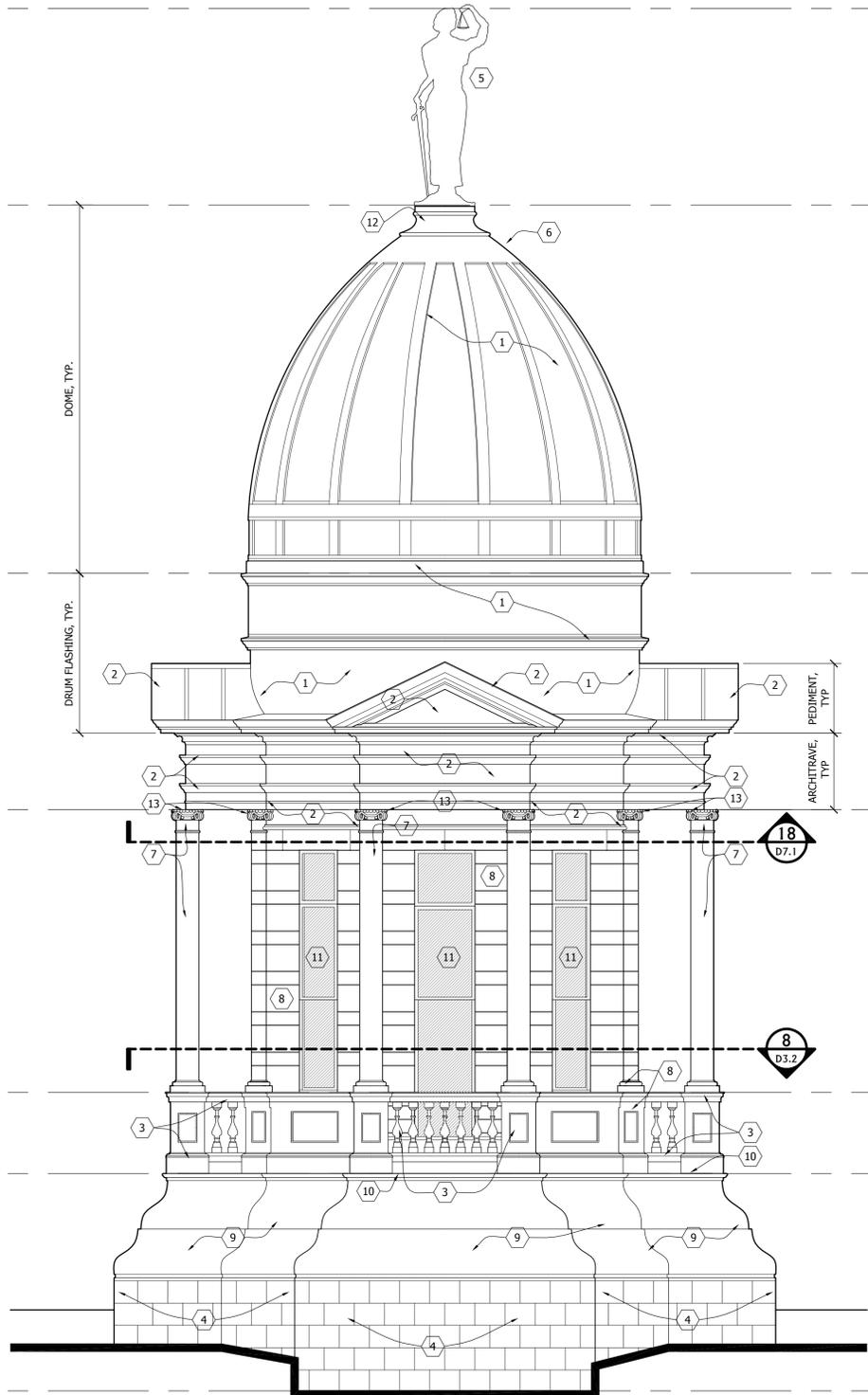
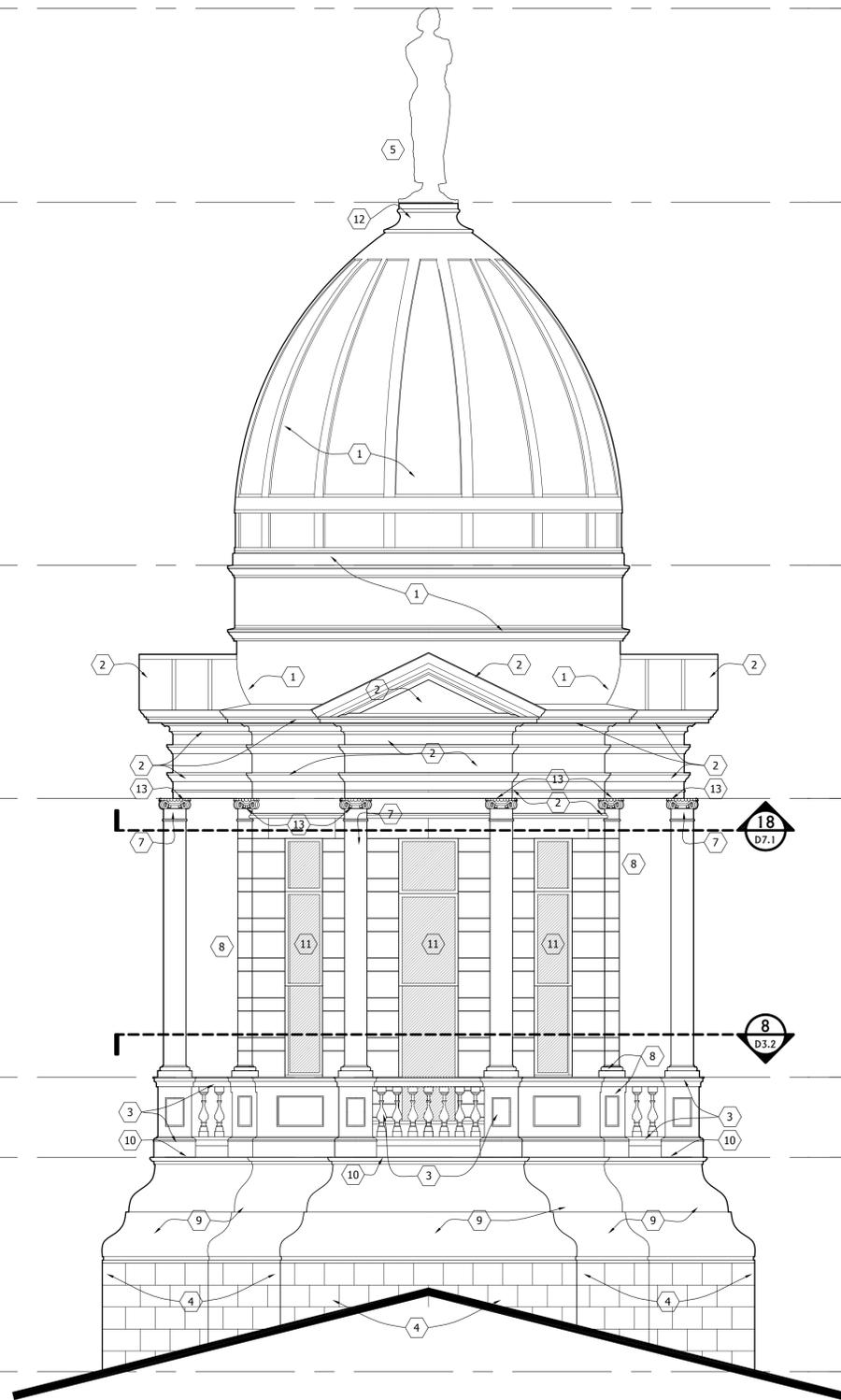


## # GENERAL DEMOLITION NOTES

1. REMOVE EXISTING COPPER FINISHES IN THEIR ENTIRETY TO EXPOSE WOOD SHEATHING.
2. REMOVE EXISTING FLASHINGS AND COUNTER FLASHING IN THEIR ENTIRETY.
3. SALVAGE SOUND WOOD BATTENS, TYPICALLY - SEE SPECIFICATIONS.
4. REFERENCE D9.5 & D9.6 FOR CAST IRON WORK NOT NOTED ON THESE SHEETS.
5. REFERENCE D3.2 FOR SANDSTONE WORK NOT INDICATED ON THESE SHEETS.
6. PROTECT AND MAINTAIN (E) ROOF DRAINS - SEE SPECIFICATIONS.
7. MAINTAIN & PROTECT "LADY JUSTICE" IN PLACE, COORDINATE SELECTIVE DEMOLITION AT BASE W/ COPPER REMOVAL AT DOME.
8. EXPOSE COPPER FINISH IN EXISTING BUILT-IN GUTTER, PREP COPPER SURFACE FOR NEW WORK - TYPICAL.
9. REMOVE EXISTING WATER DAMAGED WOOD SHEATHING AND REPLACE IN-KIND, TYP. REFER TO THE SPECIFICATION WHICH INDICATES EXTENTS OF (E) COPPER FINISHES TO BE SALVAGED AND USED AS MEANS OF DEMONSTRATING 'IN-KIND' REPLACEMENT.
10. REMOVE ASBESTOS-CONTAINING MATERIALS AND LEAD-IN-PAINT IN EXTENTS NECESSARY TO PERFORM THE WORK INDICATED IN ACCORDANCE WITH TD&H ENGINEERING'S REVISED LIMITED PRE-RENOVATION ASBESTOS AND LEAD-IN-PAINT INSPECTION REPORT DATED SEPTEMBER 25, 2015 INCLUDED IN THE PROJECT MANUAL.

## # DEMOLITION KEYNOTES

1. REMOVE (E) COPPER ROOF AND COPPER DRUM FINISH FROM DOME - TYP. SALVAGE SOUND WOOD BATTENS FOR REUSE, PREPARE SHEATHING FOR NEW FINISH.
2. REMOVE (E) COPPER PEDIMENT FINISH IN ITS ENTIRETY INCLUDING COPPER TYMPANUM AND HORIZONTAL CORNICE FINISHES - SALVAGE SOUND WOOD BATTENS FOR REUSE. PREPARE SHEATHING FOR NEW FINISH.
3. DISASSEMBLE (E) CAST IRON BALUSTRADE AND COLUMN BASE WHERE INDICATED. SALVAGE AND REINSTALL.
4. REMOVE (E) COPPER WALL SHINGLES IN THEIR ENTIRETY. PREPARE SHEATHING FOR NEW FINISH.
5. "LADY JUSTICE" AT TOP OF COPPER DOME TO REMAIN, COORDINATE WITH REMOVAL OF ADJACENT COPPER DOME FINISHES.
6. REMOVE (E) COPPER DOME ACCESS HATCH NORTHEAST SIDE OF DOME - REMOVE AND REPLACE WITH NEW AS INDICATED.
7. (E) CAST IRON COLUMNS, CORINTHIAN COLUMN CAPITOLS, BALUSTRADE AND BALUSTERS - REPAIR AS INDICATED.
8. (E) SANDSTONE DRUM OF DOME, REPAIR AS INDICATED.
9. COPPER FLASHING AND COPPER FINISH AT SCROLL AND WALL AT BASE OF DOME. REMOVE IN ITS ENTIRETY, PREP SHEATHING FOR NEW FINISH, TYPICALLY.
10. REMOVE (E) COPPER ROOF FINISH AT FLAT AREAS OF EACH BALCONY, REMOVE ALL ROOF FINISH, MASTIC, BITUMINOUS COATINGS, AND OTHER COATINGS FROM ROOF, CAST IRON AND SANDSTONE, IN PREPARATION FOR NEW WORK, TYPICALLY.
11. (E) WOOD DOUBLE HUNG WINDOW SASH AT DOME (2 SIZES) TO BE REMOVED AND REPLACED WITH NEW AS INDICATED. PREPARE EXISTING WOOD WINDOW FRAME AND TRANSOM FOR NEW FINISH.
12. REMOVE (E) COPPER FINISHES NEAR BASE OF "LADY JUSTICE" - PREPARE SHEATHING FOR NEW COPPER FINISH.
13. REMOVE GROUT FILL FROM CORINTHIAN COLUMN CAPITALS, TYPICALLY, PREPARE FOR NEW GROUT FILL.



**16** DEMOLITION EAST ELEVATION (WEST ELEV. SIM.)

**18** DEMOLITION NORTH ELEVATION (SOUTH ELEV. SIM.)

D3.2 : D4.1

1/4" = 1'-0"

D3.2 : D4.1

1/4" = 1'-0"

DEMOLITION NORTH & EAST ELEVATIONS AT DOME  
 CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
 BOARD OF COUNTY COMMISSIONERS  
 CASCADE COUNTY COURTHOUSE ANNEX  
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**D4.1**



**2 SOUTH ENTRANCE**

D7.1 : D7.1

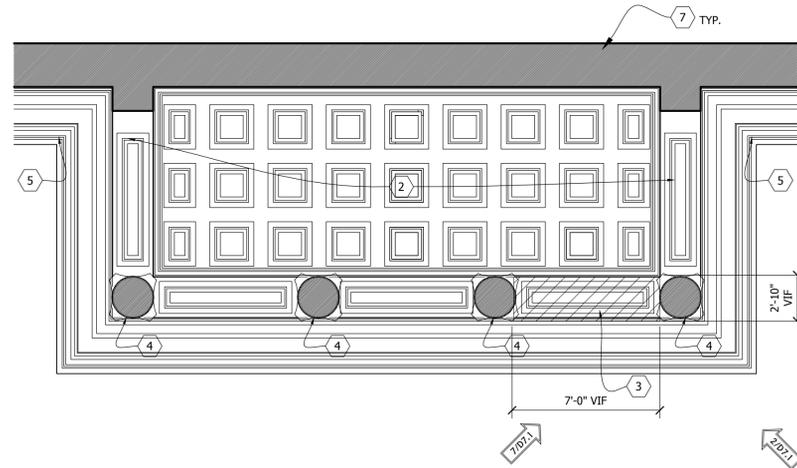
PHOTOGRAPH



**7 SOUTH ENTRANCE DETAIL**

D7.1 : D7.1

PHOTOGRAPH



**8 DEMOLITION REFLECTED CEILING PLAN: SOUTH ENTRANCE**

D7.1 : D7.1

1/4" = 1' - 0"

**# GENERAL DEMOLITION NOTES**

1. REMOVE EXISTING COPPER FINISHES IN THEIR ENTIRETY TO EXPOSE WOOD SHEATHING.
2. REMOVE EXISTING FLASHINGS AND COUNTER FLASHING IN THEIR ENTIRETY.
3. SALVAGE SOUND WOOD BATTENS, TYPICALLY - SEE SPECIFICATIONS.
4. REFERENCE D9.5 & D9.6 FOR CAST IRON WORK NOT NOTED ON THESE SHEETS.
5. REFERENCE D3.2 FOR SANDSTONE WORK NOT INDICATED ON THESE SHEETS.
6. PROTECT AND MAINTAIN (E) ROOF DRAINS - SEE SPECIFICATIONS.
7. MAINTAIN & PROTECT "LADY JUSTICE" IN PLACE, COORDINATE SELECTIVE DEMOLITION AT BASE w/ COPPER REMOVAL AT DOME.
8. EXPOSE COPPER FINISH IN EXISTING BUILT-IN GUTTER, PREP COPPER SURFACE FOR NEW WORK - TYPICAL.
9. REMOVE EXISTING WATER DAMAGED WOOD SHEATHING AND REPLACE IN-KIND, TYP. REFER TO THE SPECIFICATION WHICH INDICATES EXTENTS OF (E) COPPER FINISHES TO BE SALVAGED AND USED AS MEANS OF DEMONSTRATING 'IN-KIND' REPLACEMENT.
10. REMOVE ASBESTOS-CONTAINING MATERIALS AND LEAD-IN-PAINT IN EXTENTS NECESSARY TO PERFORM THE WORK INDICATED IN ACCORDANCE WITH TD&H ENGINEERING'S REVISED LIMITED PRE-RENOVATION ASBESTOS AND LEAD-IN-PAINT INSPECTION REPORT DATED SEPTEMBER 25, 2015 INCLUDED IN THE PROJECT MANUAL.

**# DEMOLITION KEYNOTES**

1. REMOVE (E) COPPER CEILING FINISH AT PORTICO - TYPICALLY, PREPARE SUBSTRATE FOR NEW FINISH.
2. (E) COPPER CEILING FINISH AT SOUTH ENTRY TO REMAIN, NO WORK.
3. HATCH INDICATES APPROXIMATE EXTENTS OF (E) LOOSE COPPER COFFERED CEILING PANEL AT SOUTH ENTRY. REMOVE AND SALVAGE PANEL FOR RE-INSTALLATION. REMOVE (E) DETERIORATED WOOD SHEATHING AND BLOCKING, TYPICALLY. SALVAGE REMOVED PANEL FOR RE-INSTALLATION.
4. (E) COLUMN AND CORINTHIAN CAPITAL - REMOVE (E) GROUT FILL AT EACH LOCATION, PREP FOR NEW GROUT FILL.
5. UNDERSIDE OF (E) COPPER CORNICE AND BUILT-IN GUTTER, NO WORK.
6. (E) DOME ATTIC ACCESS HATCH - REMOVE AND REPLACE WITH NEW COPPER FINISHED DOME ACCESS HATCH.
7. HATCH INDICATES (E) EXTERIOR SANDSTONE ENVELOPE.
8. REMOVE (E) COPPER FINISHES AT UNDERSIDE OF DORMER, TYMPANUM AND HORIZONTAL CORNICE TYPICALLY, PREPARE SUBSTRATE FOR NEW FINISH, TYPICALLY.



DEMOLITION REFLECTED CEILING PLAN: DOME & SOUTH ENTRY  
 CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
 BOARD OF COUNTY COMMISSIONERS  
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**12 DOME PORTICO**

D7.1 : D7.1

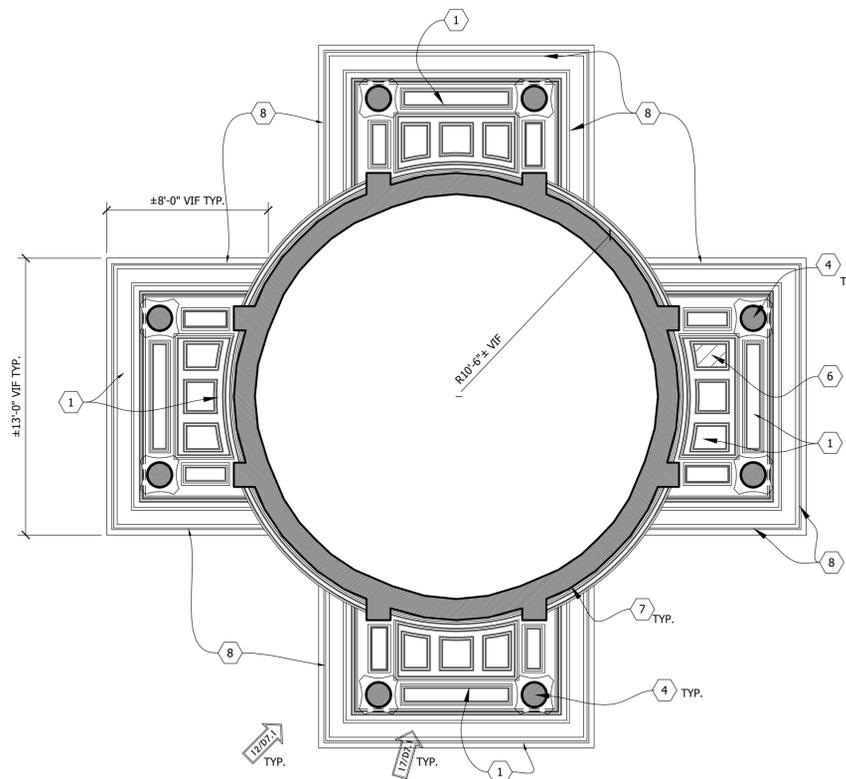
PHOTOGRAPH



**17 DOME PORTICO DETAIL**

D7.1 : D7.1

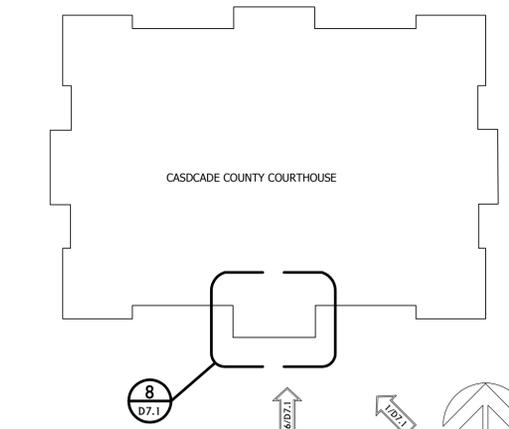
PHOTOGRAPH



**18 DEMOLITION REFLECTED CEILING PLAN: DOME PORTICO**

D4.1 : D7.1

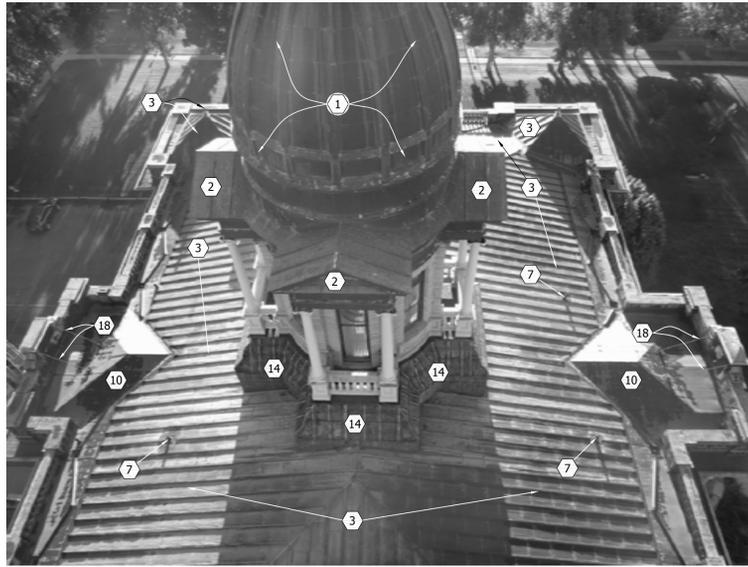
1/4" = 1' - 0"



**19 REFERENCE PLAN**

NOT TO SCALE

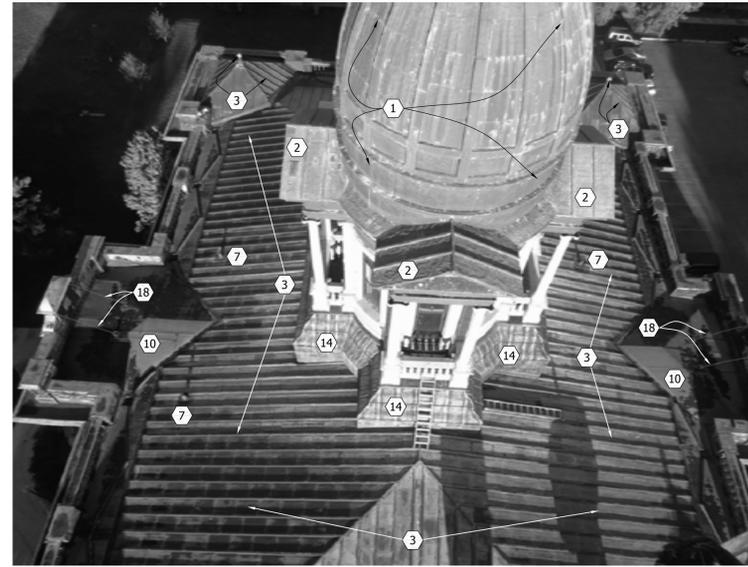
**D7.1**



**6** OVERALL WEST VIEW

D2.1 : D9.1

PHOTOGRAPH



**8** OVERALL EAST VIEW

D2.1 : D9.1

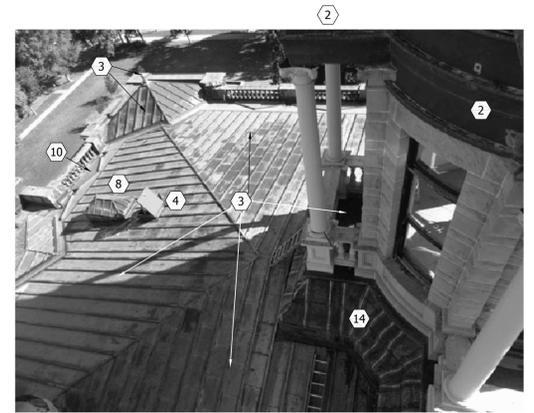
PHOTOGRAPH

**# KEYNOTES**

- 1 REMOVE (E) COPPER ROOF AND COPPER DRUM FINISH FROM DOME - TYP. SALVAGE SOUND WOOD BATTENS FOR REUSE, PREPARE SHEATHING FOR NEW FINISH.
- 2 REMOVE (E) COPPER PEDIMENT FINISH IN ITS ENTIRETY INCLUDING COPPER TYMPANUM AND HORIZONTAL CORNICE FINISHES - SALVAGE SOUND WOOD BATTENS FOR REUSE. PREPARE SHEATHING FOR NEW FINISH.
- 3 REMOVE (E) COPPER HIP AND PYRAMID ROOF FINISHES. SALVAGE SOUND WOOD BATTENS FOR REUSE, TYPICAL. SALVAGE FINIAL AS SPECIFIED. PREP SHEATHING FOR NEW FINISH.
- 4 PROTECT (E) ROOF HATCH & ACCESS TO REMAIN.
- 5 (E) SANDSTONE CHIMNEY - COORD W/ NEW WORK
- 6 PROTECT IN PLACE "LADY JUSTICE" STATUE TO REMAIN. COORDINATE EXTENT OF NEW WORK.
- 7 REMOVE (E) EXISTING COPPER VENT ROOF JACK FLASHING, TYP - SEE SPECIFICATION.
- 8 PROTECT (E) GLASS SKYLIGHT TO REMAIN - REMOVE (E) COPPER WALL FLASHING - PREPARE SHEATHING FOR NEW FINISH.
- 9 REMOVE (E) ROOF HATCH IN ITS ENTIRETY - PREPARE AREA FOR INFILL FRAMING, SHEATHING & FINISH.
- 10 REMOVE EPDM MEMBRANE ROOF FINISH, UNDERLAYMENT, FLASHINGS, AND ACCESSORIES IN THEIR ENTIRETY - SALVAGE WOOD BATTENS FOR REUSE. PREPARE SHEATHING FOR NEW FINISH.
- 11 (E) ATTIC VENT TO REMAIN - PROTECT - COORDINATE REMOVAL OF COPPER ROOF FINISHES & TRIMS ADJACENT - 2 LOCATIONS.
- 12 REMOVE AND REPLACE COPPER BALUSTER SEE SPECIFICATION FOR SALVAGE MATERIALS FOR IN-KIND REPLACEMENT - TYPICAL. REMOVE (E) COPPER BALUSTRADE RAILS TOP & BOTTOM.
- 13 REMOVE (E) COPPER PARAPET FINISHES IN THEIR ENTIRETY. PREPARE FOR NEW FINISH.
- 14 REMOVE (E) COPPER SCROLL AND WALL FINISH AT BASE OF DOME - TYPICAL. PREPARE SHEATHING FOR NEW FINISH.
- 15 (E) COPPER CORNICE, BRACKETS AND BELLY BAND BELOW TO REMAIN - PROTECT - TYPICAL.
- 16 (E) BUILT-IN COPPER GUTTER AT CORNICE - CLEAN TO EXPOSE EXISTING COPPER FINISH - PREP COPPER SURFACE FOR NEW WORK - TYPICAL.
- 17 REMOVE (E) FLAT SEAM COPPER ROOF FINISH IN ITS ENTIRETY - PREPARE SHEATHING FOR NEW FINISH - TYPICAL.
- 18 PROTECT (E) PARAPET SUPPORT RODS TO REMAIN - TYPICAL. COORDINATE REMOVAL OF ADJACENT ROOFING.
- 19 REMOVE AND REPLACE DAMAGED OR DETERIORATED WOOD SHEATHING AND SUPPORTING STRUCTURE IN-KIND - TYPICAL.

**# GENERAL DEMOLITION NOTES**

1. REMOVE EXISTING COPPER FINISHES IN THEIR ENTIRETY TO EXPOSE WOOD SHEATHING.
2. REMOVE EXISTING FLASHINGS AND COUNTER FLASHING IN THEIR ENTIRETY. SALVAGE SOUND WOOD BATTENS, TYPICALLY - SEE SPECIFICATIONS.
3. SALVAGE SOUND WOOD BATTENS, TYPICALLY - SEE SPECIFICATIONS.
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8. EXPOSE COPPER FINISH IN EXISTING BUILT-IN GUTTER, PREP COPPER SURFACE FOR NEW WORK - TYPICAL.
9. REMOVE EXISTING WATER DAMAGED WOOD SHEATHING AND REPLACE IN-KIND, TYP. REFER TO THE SPECIFICATION WHICH INDICATES EXTENTS OF (E) COPPER FINISHES TO BE SALVAGED AND USED AS MEANS OF DEMONSTRATING "IN-KIND" REPLACEMENT.
10. REMOVE ASBESTOS-CONTAINING MATERIALS AND LEAD-IN-PAINT IN EXTENTS NECESSARY TO PERFORM THE WORK INDICATED IN ACCORDANCE WITH TDSH ENGINEERING'S REVISED LIMITED PRE-RENOVATION ASBESTOS AND LEAD-IN-PAINT INSPECTION REPORT DATED SEPTEMBER 25, 2015 INCLUDED IN THE PROJECT MANUAL.



**10** SOUTH EAST VIEW

D2.1 : D9.1

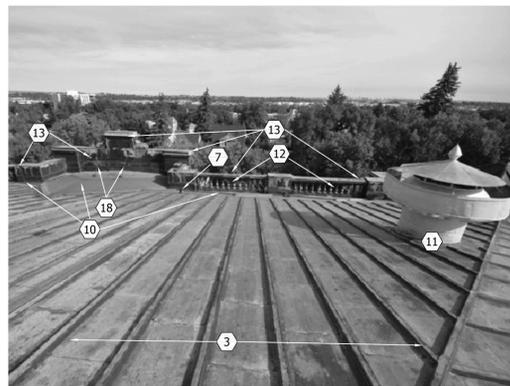
PHOTOGRAPH



**11** MAIN ROOF NORTH VIEW

D2.1 : D9.1

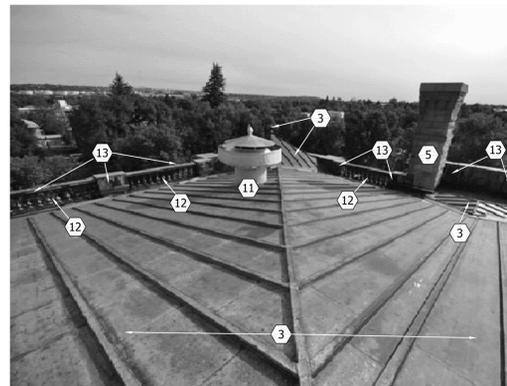
PHOTOGRAPH



**12** MAIN ROOF NORTH VIEW

D2.1 : D9.1

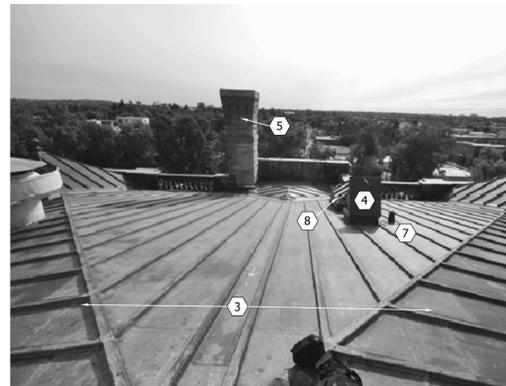
PHOTOGRAPH



**13** MAIN ROOF NE VIEW

D2.1 : D9.1

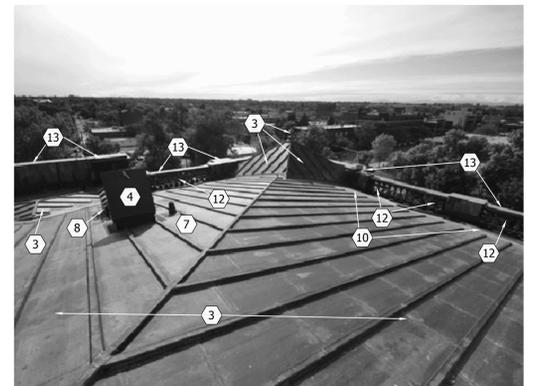
PHOTOGRAPH



**14** MAIN ROOF EAST VIEW

D2.1 : D9.1

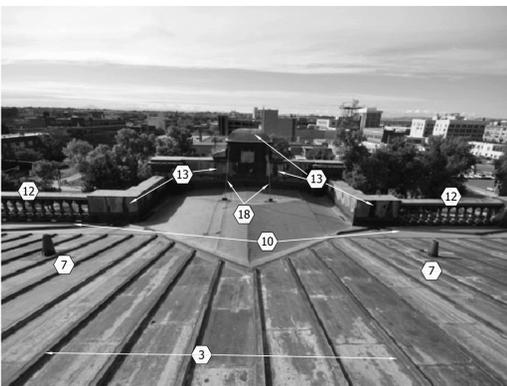
PHOTOGRAPH



**15** MAIN ROOF SE VIEW

D2.1 : D9.1

PHOTOGRAPH



**16** MAIN ROOF SOUTH VIEW

D2.1 : D9.1

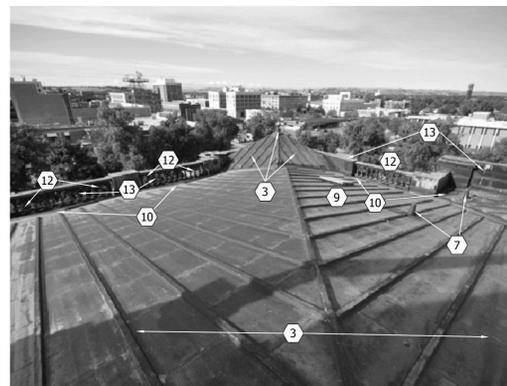
PHOTOGRAPH



**17** MAIN ROOF SOUTH VIEW

D2.1 : D9.1

PHOTOGRAPH



**18** MAIN ROOF SW VIEW

D2.1 : D9.1

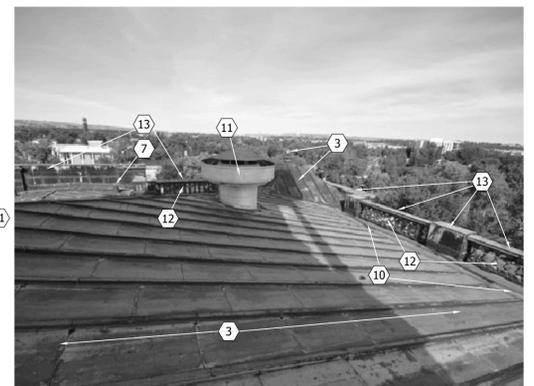
PHOTOGRAPH



**19** MAIN ROOF WEST VIEW

D2.1 : D9.1

PHOTOGRAPH



**20** MAIN ROOF NW VIEW

D2.1 : D9.1

PHOTOGRAPH



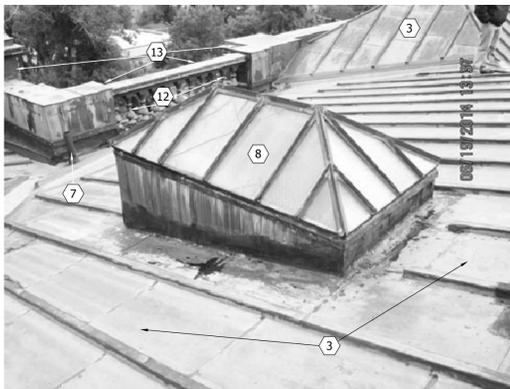
DEMOLITION PHOTOGRAPHS: ROOF  
 CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
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 CASCADE COUNTY COURTHOUSE ANNEX  
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DRAWING PROJECT OWNER

PROJECT NO 14036  
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**D9.1**



**1 (E) SKYLIGHT**

D2.1 : D9.2 PHOTOGRAPH



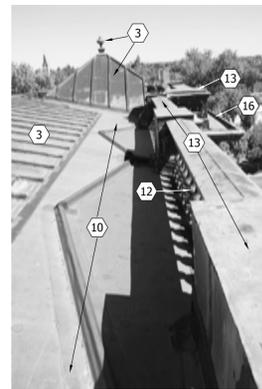
**2 (E) SANDSTONE CHIMNEY**

D2.1 : D9.2 PHOTOGRAPH



**3 (E) BALUSTRADE/PARAPET**

D2.1 : D9.2 PHOTOGRAPH



**4 (E) BALUSTRADE/PARAPET**

D2.1 : D9.2 PHOTOGRAPH



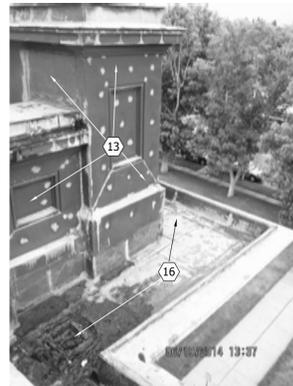
**5 (E) BALUSTRADE/PARAPET**

D2.1 : D9.2 PHOTOGRAPH



**6 (E) PARAPET/CORNICE**

D2.1 : D9.2 PHOTOGRAPH



**7 (E) PARAPET DETAIL**

D2.1 : D9.2 PHOTOGRAPH



**8 (E) PARAPET**

D2.1 : D9.2 PHOTOGRAPH



**9 (E) PARAPET**

D2.1 : D9.2 PHOTOGRAPH



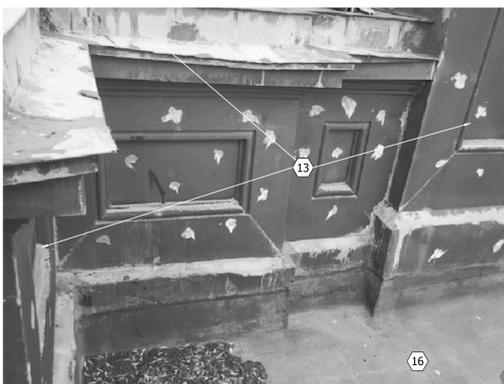
**10 (E) PARAPET**

D2.1 : D9.2 PHOTOGRAPH



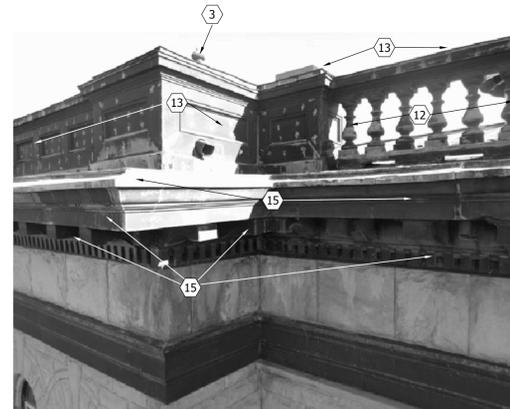
**11 (E) PARAPET DETAIL**

D2.1 : D9.2 PHOTOGRAPH



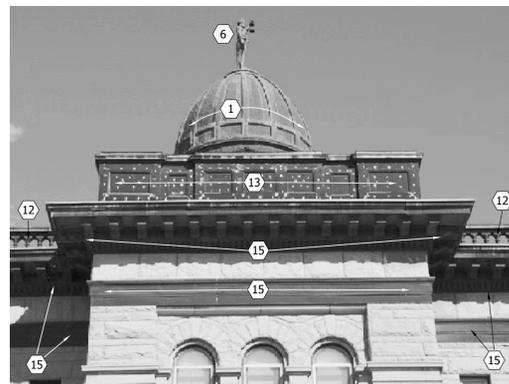
**12 (E) PARAPET DETAIL**

D2.1 : D9.2 PHOTOGRAPH



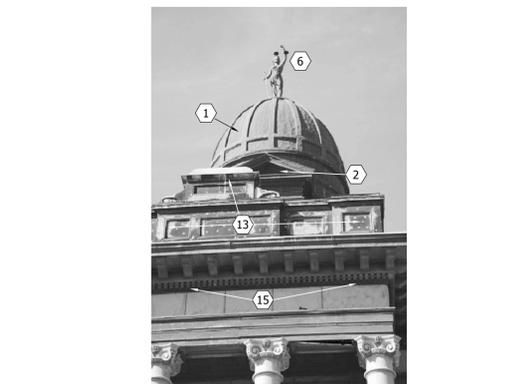
**13 (E) PARAPET DETAIL**

D2.1 : D9.2 PHOTOGRAPH



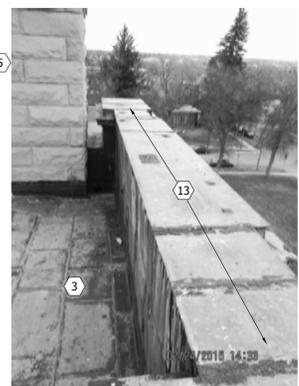
**14 (E) PARAPET DETAIL**

D2.1 : D9.2 PHOTOGRAPH



**15 (E) PARAPET DETAIL**

D2.1 : D9.2 PHOTOGRAPH



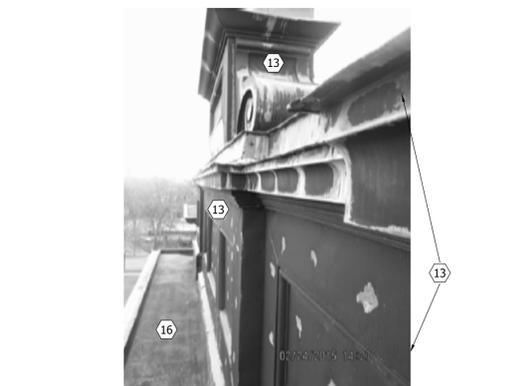
**16 (E) PARAPET DETAIL**

D2.1 : D9.2 PHOTOGRAPH



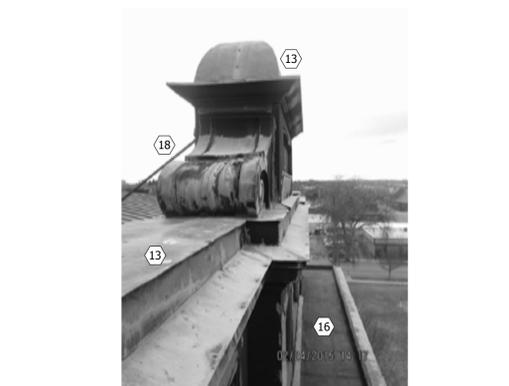
**17 (E) PARAPET DETAIL**

D2.1 : D9.2 PHOTOGRAPH



**18 (E) PARAPET DETAIL**

D2.1 : D9.2 PHOTOGRAPH



**19 (E) PARAPET DETAIL**

D2.1 : D9.2 PHOTOGRAPH



DEMOLITION PHOTOGRAPHS: PARAPET, BALUSTRADE, ETC  
PROJECT: CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
OWNER: BOARD OF COUNTY COMMISSIONERS  
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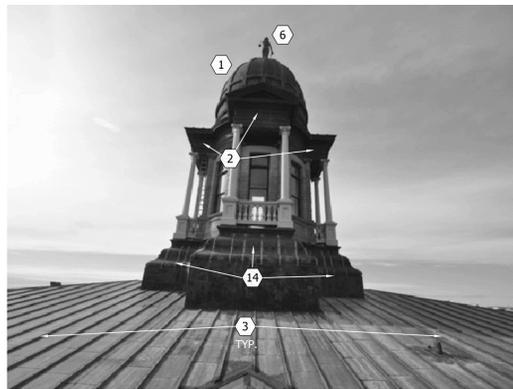
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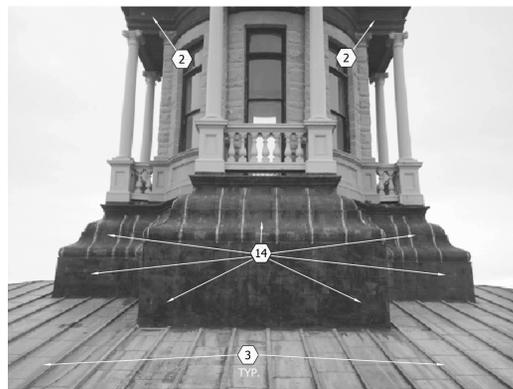
# GENERAL NOTES & KEYNOTES

REFERENCE SHEET D9.1 FOR GENERAL NOTES AND KEYNOTES.



**1** DOME NORTH FACING VIEW

D2.1 : D9.3 PHOTOGRAPH



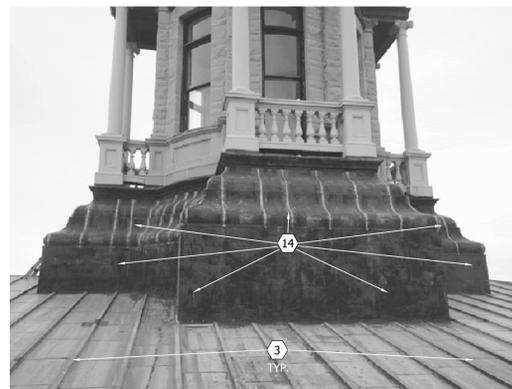
**2** DOME NORTH FACING VIEW

D2.1 : D9.3 PHOTOGRAPH



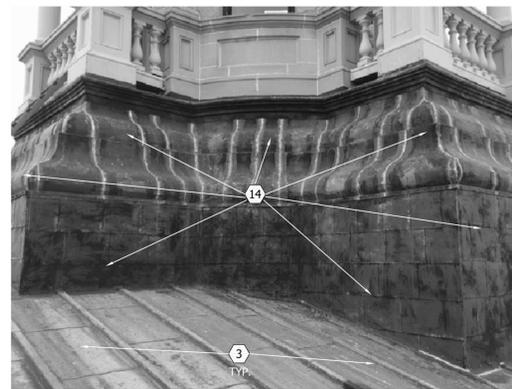
**3** DOME NE FACING VIEW

D2.1 : D9.3 PHOTOGRAPH



**4** DOME NE FACING VIEW

D2.1 : D9.3 PHOTOGRAPH



**5** DOME NE FACING VIEW

D2.1 : D9.3 PHOTOGRAPH



**6** DOME EAST FACING VIEW

D2.1 : D9.3 PHOTOGRAPH



**7** DOME EAST FACING VIEW

D2.1 : D9.3 PHOTOGRAPH



**8** DOME SE FACING VIEW

D2.1 : D9.3 PHOTOGRAPH



**9** DOME SE FACING VIEW

D2.1 : D9.3 PHOTOGRAPH



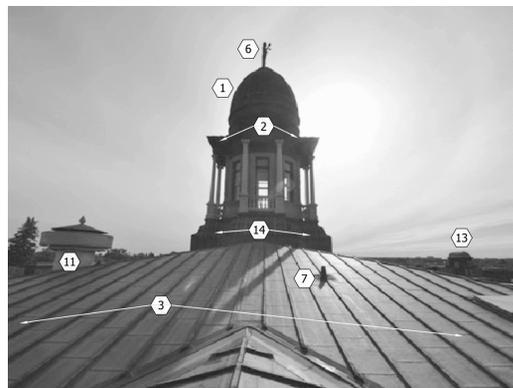
**10** DOME SOUTH FACING VIEW

D2.1 : D9.3 PHOTOGRAPH



**11** DOME SW FACING VIEW

D2.1 : D9.3 PHOTOGRAPH



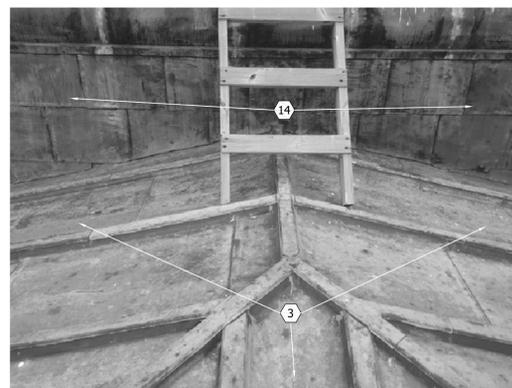
**12** DOME WEST FACING VIEW

D2.1 : D9.3 PHOTOGRAPH



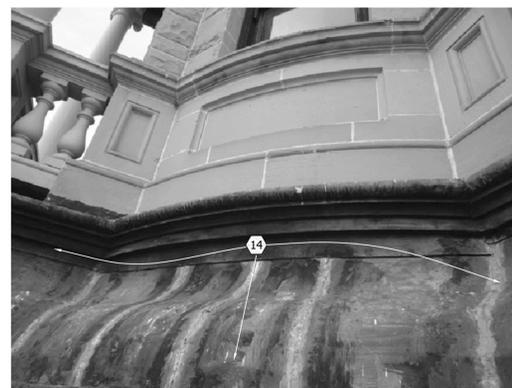
**13** DOME NW FACING VIEW

D2.1 : D9.3 PHOTOGRAPH



**14** DOME BASE DETAIL

D2.1 : D9.3 PHOTOGRAPH



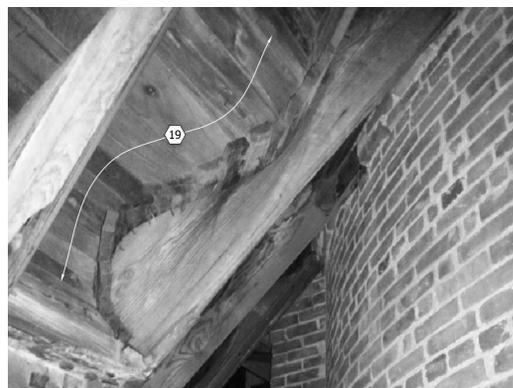
**15** DOME BASE DETAIL

D2.1 : D9.3 PHOTOGRAPH



**16** DOME BASE DETAIL (INSIDE)

D2.1 : D9.3 PHOTOGRAPH



**17** DOME BASE DETAIL (INSIDE)

D2.1 : D9.3 PHOTOGRAPH



**18** DOME BASE DETAIL (INSIDE)

D2.1 : D9.3 PHOTOGRAPH



**19** DOME BASE DETAIL

D2.1 : D9.3 PHOTOGRAPH

**# GENERAL NOTES & KEYNOTES**

REFERENCE SHEET D9.1 FOR GENERAL NOTES AND KEYNOTES.



DEMOLITION PHOTOGRAPHS: DOME  
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PROJECT NO 14036  
ISSUE DATE 3.17.15  
REVISIONS 4.15.15  
10.16.15

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**1** PEDIMENT DETAIL

D2.1 : D9.4 PHOTOGRAPH



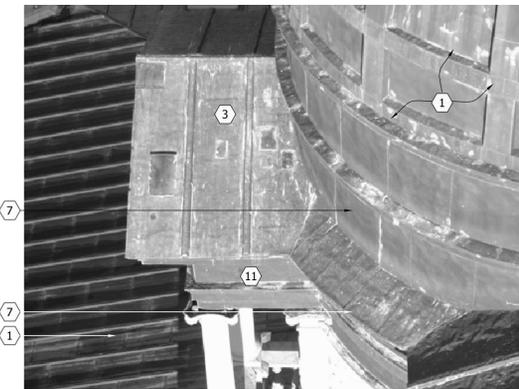
**2** PEDIMENT DETAIL

D2.1 : D9.4 PHOTOGRAPH



**8** DOME DETAIL

D2.1 : D9.4 PHOTOGRAPH



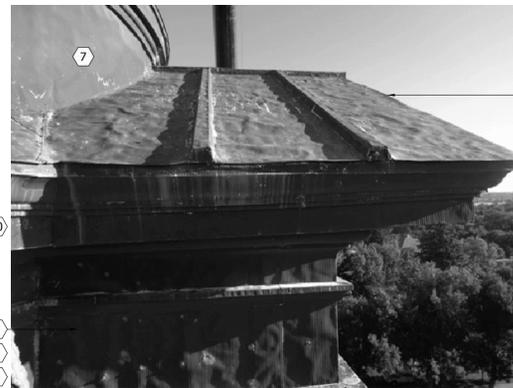
**5** PEDIMENT DETAIL

D2.1 : D9.4 PHOTOGRAPH



**6** PEDIMENT/CAST IRON COLS.

D2.1 : D9.4 PHOTOGRAPH



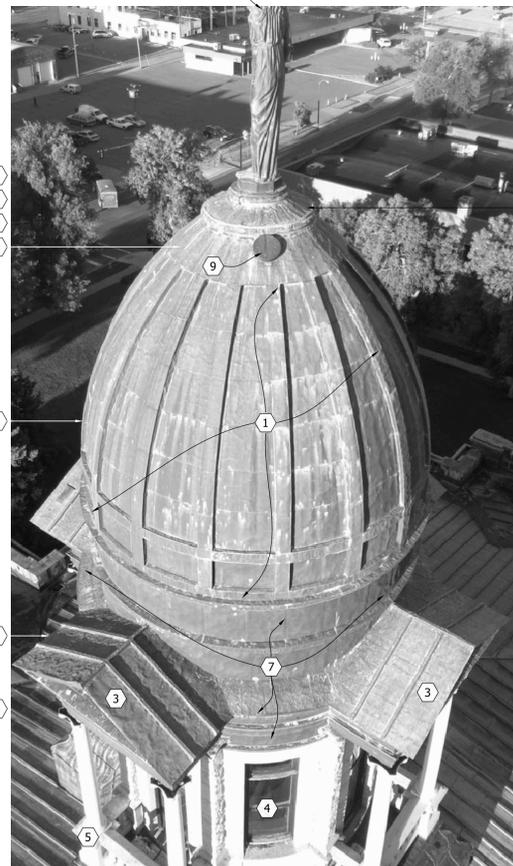
**7** PEDIMENT DETAIL

D2.1 : D9.4 PHOTOGRAPH



**16** CAST IRON BALUSTRADE

D2.1 : D9.4 PHOTOGRAPH



**17** DOME DETAIL

D2.1 : D9.4 PHOTOGRAPH



**18** DOME DETAIL

D2.1 : D9.4 PHOTOGRAPH



**19** DOME DETAIL

D2.1 : D9.4 PHOTOGRAPH



**15** DOME DETAIL

D2.1 : D9.4 PHOTOGRAPH

**# KEYNOTES**

- ① REMOVE (E) COPPER BATTEN (RIBBED) SEAM ROOF IN ITS ENTIRETY, TYP. REPLACE W/ SPECIFIED ROOFING SYSTEMS - SEE 16/AZ.1 ROOF PLAN
- ② REMOVE (E) COPPER FLAT SEAM ROOF IN ITS ENTIRETY, TYP.
- ③ REMOVE (E) COPPER PEDIMENT ROOF FINISH IN ITS ENTIRETY, SALVAGE AND REUSE SOUND WOOD BATTENS, TYP.
- ④ REMOVE (E) WOOD DOUBLE HUNG WINDOW SASH. COORD W/ NEW WORK.
- ⑤ (E) CAST IRON BALUSTRADE AND COLUMNS, TYP.
- ⑥ (E) SANDSTONE DRUM.
- ⑦ REMOVE (E) COPPER DRUM FLASHING IN ITS ENTIRETY, TYP.
- ⑧ "LADY JUSTICE" COPPER STATUE TO REMAIN IN PLACE, FIELD COORD. W/ COPPER ROOF DEMO & REPLACEMENT.
- ⑨ REMOVE (E) COPPER ACCESS TO DOME.
- ⑩ REMOVE (E) COPPER COFFERED CEILING PANELS AT PEDIMENTS, TYP.
- ⑪ REMOVE (E) COPPER ENTABLATURE IN ITS ENTIRETY, TYP.



DEMOLITION PHOTOGRAPHS: DOME CONT'D  
 PROJECT: CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
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**D9.4**



## # DEMOLITION GENERAL NOTES

1. REMOVE ALL CAULK AND SEALANT FROM CAST IRON COMPONENTS, TYP. PREPARE CAST IRON FOR NEW PAINT FINISH, TYPICALLY
2. REMOVE ALL ROOF MASTIC, BITUMINOUS COATINGS, AND OTHER COATINGS FROM CAST IRON COMPONENTS, ALL LOCATIONS, TYP.
3. PREPARE CAST IRON TO COORD W/ NEW ROOF AND PAINT FINISHES, TYP.
4. REMOVE ROOF MASTIC SEALANTS, BITUMINOUS COATINGS, AND OTHER COATINGS FROM EXISTING SANDSTONE, TYPICALLY.

## # KEYNOTES

1. REMOVE CAULK AND SEALANT FROM CAST IRON AND SANDSTONE, TYP. PREP SURFACES FOR NEW WORK, TYP.
2. (E) CAST IRON BALUSTRADE & COLUMN. REMOVE SEALANTS TYP.
3. (E) SANDSTONE DRUM.
4. REMOVE (E) COPPER ROOFING AND REPLACE W/ EPDM MEMBRANE - SEE CONSTRUCTION PLAN FOR EXTENTS.
5. DISASSEMBLE DISPLACED CAST IRON BALUSTRADE AT DIE & BASE, EAST AND WEST SIDES OF SOUTH FACING BALCONY, TYP. PREP CAST IRON FOR REINSTALLATION AND NEW FINISH.
6. DISASSEMBLE DISPLACED DIE AND BALUSTRADE, REMOVE CAULK TYP. THIS LOCATION. PREPARE CAST IRON FOR REINSTALLATION.
7. REMOVE (E) COPPER COFFERED CEILING AT EACH PEDIMENT, TYP. PREPARE SHEATHING FOR NEW COPPER FINISH.
8. DISASSEMBLE CAST IRON BALUSTRADE AS REQUIRED TO RESTORE DETERIORATED CONNECTIONS TO STONE AT BOTTOM RAIL, TYP.
9. REMOVE GROUT FILL FROM CORINTHIAN COLUMN CAPITOLS, TYPICALLY. PREPARE FOR NEW GROUT FILL.



**1 NORTH CAST IRON**  
D3.2 : D9.5 PHOTOGRAPH



**2 NORTH CAST IRON**  
D3.2 : D9.5 PHOTOGRAPH



**3 NORTH CAST IRON**  
D3.2 : D9.5 PHOTOGRAPH



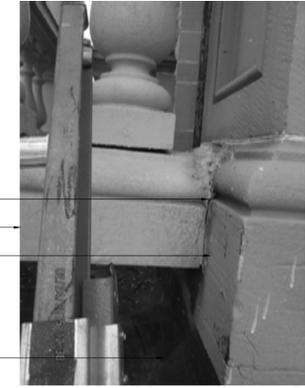
**4 NORTH CAST IRON**  
D3.2 : D9.5 PHOTOGRAPH



**6 NORTH CAST IRON**  
D3.2 : D9.5 PHOTOGRAPH



**7 NORTH CAST IRON**  
D3.2 : D9.5 PHOTOGRAPH



**8 NORTH CAST IRON**  
D3.2 : D9.5 PHOTOGRAPH



**9 EAST CAST IRON**  
D3.2 : D9.5 PHOTOGRAPH



**11 EAST CAST IRON**  
D3.2 : D9.5 PHOTOGRAPH



**12 EAST CAST IRON (NORTH COL)**  
D3.2 : D9.5 PHOTOGRAPH



**13 EAST CAST IRON**  
D3.2 : D9.5 PHOTOGRAPH



**14 EAST CAST IRON**  
D3.2 : D9.5 PHOTOGRAPH



**16 EAST CAST IRON**  
D3.2 : D9.6 PHOTOGRAPH



**17 EAST CAST IRON**  
D3.2 : D9.6 PHOTOGRAPH

DEMOLITION PHOTOGRAPHS: CAST IRON  
 CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
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D9.5



**1 SOUTH CAST IRON**  
D3.2 : D9.6 PHOTOGRAPH



**2 SOUTH CAST IRON**  
D3.2 : D9.6 PHOTOGRAPH



**3 SOUTH CAST IRON**  
D3.2 : D9.6 PHOTOGRAPH



**4 SOUTH CAST IRON**  
D3.2 : D9.6 PHOTOGRAPH



**6 SOUTH CAST IRON**  
D3.2 : D9.6 PHOTOGRAPH



**8 WEST CAST IRON**  
A3.2 : D9.6 PHOTOGRAPH



**9 WEST CAST IRON**  
A3.2 : D9.6 PHOTOGRAPH



**10 WEST CAST IRON**  
A3.2 : D9.6 PHOTOGRAPH

**# DEMOLITION GENERAL NOTES**

1. REMOVE ALL CAULK AND SEALANT FROM CAST IRON COMPONENTS, TYP. PREPARE CAST IRON FOR NEW PAINT FINISH, TYPICALLY.
2. REMOVE ALL ROOF MASTIC, BITUMINOUS COATINGS, AND OTHER COATINGS FROM CAST IRON COMPONENTS, ALL LOCATIONS, TYP.
3. PREPARE CAST IRON TO COORD W/ NEW ROOF AND PAINT FINISHES, TYP.
4. REMOVE ROOF MASTIC SEALANTS, BITUMINOUS COATINGS, AND OTHER COATINGS FROM EXISTING SANDSTONE, TYPICALLY.

**# KEYNOTES**

- ① REMOVE CAULK AND SEALANT FROM CAST IRON AND SAND STONE, TYP. PREP SURFACES FOR NEW WORK, TYP.
- ② (E) CAST IRON BALUSTRADE & COLUMN, REMOVE CAULK AND SEALANT, TYPICALLY.
- ③ (E) SANDSTONE DRUM.
- ④ REMOVE (E) COPPER ROOFING AND REPLACE W/ EPDM MEMBRANE - SEE CONSTRUCTION PLAN FOR EXTENTS.
- ⑤ REMOVE (E) COPPER COFFERED CEILING AT EACH PEDIMENT, TYP. PREPARE SHEATHING FOR NEW COPPER FINISH.
- ⑥ DISASSEMBLE DISPLACED DIE AND BALUSTRADE, REMOVE CAULK TYP. THIS LOCATION. PREPARE CAST IRON FOR REINSTALLATION AND NEW FINISH.



DEMOLITION PHOTOGRAPHS: CAST IRON CONT'D  
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**D9.6**



**1** EPDM MEMBRANE DIVERTERS  
D2.1 : D9.7 PHOTOGRAPH



**2** TYP. DRAIN / DIVERTER  
D2.1 : D9.7 PHOTOGRAPH



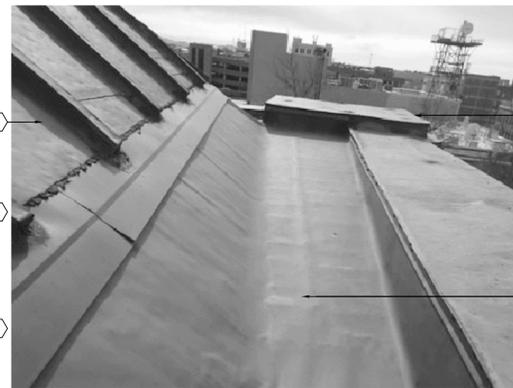
**3** PYRAMID  
D2.1 : D9.7 PHOTOGRAPH



**4** PYRAMID DETAIL  
D2.1 : D9.7 PHOTOGRAPH



**6** PYRAMID DETAIL  
D2.1 : D9.7 PHOTOGRAPH



**7** PYRAMID DETAIL  
D2.1 : D9.7 PHOTOGRAPH



**8** PYRAMID DETAIL  
D2.1 : D9.7 PHOTOGRAPH



**9** NORTH DORMER  
D2.1 : D9.7 PHOTOGRAPH



**11** EAST DORMER W/ CHIMNEY  
D2.1 : D9.7 PHOTOGRAPH



**12** EAST DORMER DETAIL  
D2.1 : D9.7 PHOTOGRAPH



**13** SOUTH DORMER  
D2.1 : D9.7 PHOTOGRAPH



**14** SOUTH DORMER  
D2.1 : D9.7 PHOTOGRAPH



**16** SOUTH DORMER DETAIL  
D2.1 : D9.7 PHOTOGRAPH



**17** SOUTH DORMER DETAIL  
D2.1 : D9.7 PHOTOGRAPH



**18** WEST DORMER  
D2.1 : D9.7 PHOTOGRAPH



**19** WEST DORMER DETAIL  
D2.1 : D9.7 PHOTOGRAPH

**# GENERAL DEMOLITION NOTES**

1. REMOVE EXISTING COPPER FINISHES IN THEIR ENTIRETY TO EXPOSE WOOD SHEATHING.
2. REMOVE EXISTING FLASHINGS AND COUNTER FLASHING IN THEIR ENTIRETY.
3. SALVAGE SOUND WOOD BATTENS, TYPICALLY - SEE SPECIFICATIONS.
4. REFERENCE D9.5 & D9.6 FOR CAST IRON WORK NOT NOTED ON THESE SHEETS.
5. REFERENCE D3.2 FOR SANDSTONE WORK NOT INDICATED ON THESE SHEETS.
6. PROTECT & MAINTAIN (E) ROOF DRAINS - SEE SPECIFICATIONS.
7. MAINTAIN & PROTECT "LADY JUSTICE" IN PLACE, COORDINATE SELECTIVE DEMOLITION AT BASE W/ COPPER REMOVAL AT DOME.
8. EXPOSE COPPER FINISH IN EXISTING BUILT-IN GUTTER, PREP COPPER SURFACE FOR NEW WORK - TYPICAL.
9. REMOVE EXISTING WATER DAMAGED WOOD SHEATHING AND REPLACE IN-KIND, TYP. REFER TO THE SPECIFICATION WHICH INDICATES EXTENTS OF (E) COPPER FINISHES TO BE SALVAGED AND USED AS MEANS OF DEMONSTRATING 'IN-KIND' REPLACEMENT.
10. REMOVE ASBESTOS-CONTAINING MATERIALS AND LEAD-IN-PAINT IN EXTENTS NECESSARY TO PERFORM THE WORK INDICATED IN ACCORDANCE WITH TD&H ENGINEERING'S REVISED LIMITED PRE-RENOVATION ASBESTOS AND LEAD-IN-PAINT INSPECTION REPORT DATED SEPTEMBER 25, 2015 INCLUDED IN THE PROJECT MANUAL.
- 11.

**# KEYNOTES**

1. REMOVE CAULKING, MASTIC, GROUT, ETC. FROM CAST IRON AND SANDSTONE, TYP.
2. (E) CAST IRON BALUSTRADE, REMOVE SEALANTS TYPICALLY.
3. (E) SANDSTONE DRUM.
4. REMOVE (E) COPPER ROOFING AND REPLACE W/ EPDM MEMBRANE - SEE CONSTRUCTION PLAN.
5. REMOVE (E) EPDM MEMBRANE ROOF, COVER BOARD, DIVERTERS & FLASHING IN ITS ENTIRETY, TYP.
6. REMOVE (E) PYRAMID FINIAL, SEE SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
7. REMOVE (E) COPPER SCROLLS FINISH TO EXPOSE SHEATHING.
8. REMOVE (E) COPPER FLAT SEAM ROOF FINISH TO EXPOSE SHEATHING.
9. REMOVE (E) COPPER BATTEN (RIBBED) SEAM ROOFING TO EXPOSE SHEATHING.
10. REMOVE (E) COPPER PARAPET FLASHING & COPPER PARAPET WALL PANELS IN ITS ENTIRETY. PREP SHEATHING FOR NEW FINISH, TYP.
11. (E) ROOF DRAIN TO REMAIN, MAINTAIN AS SPECIFIED.
12. (E) PARAPET SUPPORT TO REMAIN, PROTECT.
13. REMOVE (E) COPPER ROOF JACK, TYP.



DEMOLITION PHOTOGRAPHS: ROOF  
 CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
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DRAWING PROJECT OWNER

PROJECT NO 14036  
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**D9.7**

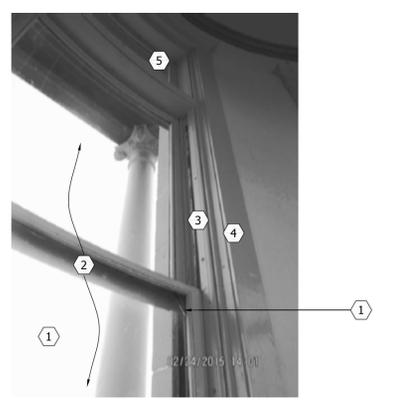


## # GENERAL DEMOLITION NOTES

1. REMOVE (E) DOUBLE HUNG WOOD WINDOW SASH TO BE REPLACED NEW IN-KIND TO EXISTING AND SALVAGE WINDOW HARDWARE, TYP. - SEE WINDOW SCHEDULE ON SHEET A9.10
2. SALVAGE SOUND CURVED GLASS AND HARDWARE FOR REUSE & INSTALLATION TO NEW WOOD WINDOW SASH, TYP.
3. REPAIR (E) WOOD WINDOW FRAMES, TYP.
4. PREPARE INTERIOR WINDOW FRAME, TRIM, STOOL, ETC. FOR NEW PAINT FINISH, TYP.
5. PREPARE (E) TRANSOM WINDOWS, INTERIOR & EXTERIOR FOR NEW PAINT FINISH.
6. REMOVE ASBESTOS-CONTAINING MATERIALS AND LEAD-IN-PAINT IN EXTENTS NECESSARY TO PERFORM THE WORK INDICATED IN ACCORDANCE WITH TDS&H ENGINEERING'S REVISED LIMITED PRE-RENOVATION ASBESTOS AND LEAD-IN-PAINT INSPECTION REPORT DATED SEPTEMBER 25, 2015 INCLUDED IN THE PROJECT MANUAL.

## # KEYNOTES

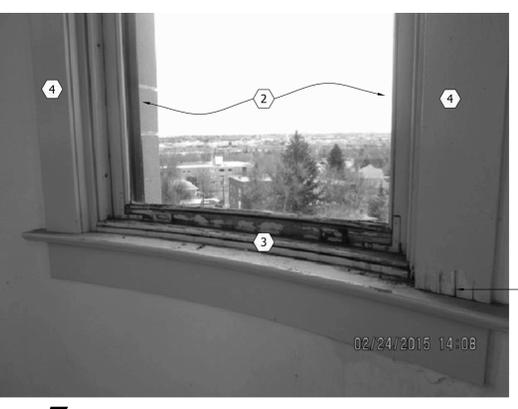
- ① SALVAGE SOUND GLAZING FOR REUSE. NO SALVAGE TO DAMAGED CURVED GLAZING.
- ② REMOVE (E) WOOD DOUBLE HUNG WINDOW SASH - PREPARE (E) WINDOW FRAME FOR (N) WOOD FIXED SASH - SEE WINDOW SCHEDULE SHEET A9.10.
- ③ PREP WOOD SILL STOPS, JAMB, FRAME AND STOOL FOR NEW FINISH.
- ④ PREP INTERIOR WOOD TRIM FOR NEW FINISH, TYP.
- ⑤ PREP TRANSOM WINDOW AND EXTERIOR AND INTERIOR WOOD WINDOW FRAME FOR NEW FINISH, TYP.



**1 NORTH WINDOW**  
D3.2 : D9.8 PHOTOGRAPH



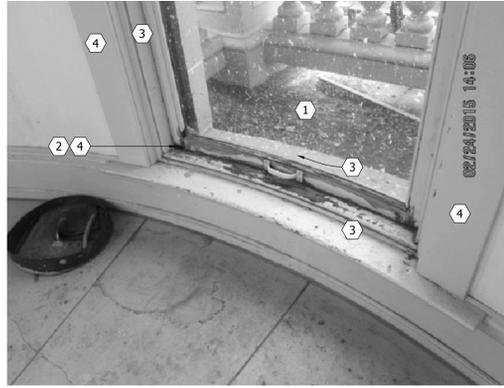
**2 NORTH WINDOW**  
D3.2 : D9.8 PHOTOGRAPH



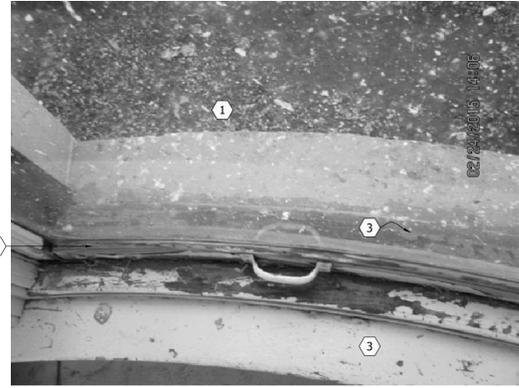
**3 NORTHEAST WINDOW**  
D3.2 : D9.8 PHOTOGRAPH



**4 EAST WINDOW**  
D3.2 : D9.8 PHOTOGRAPH



**6 EAST WINDOW**  
D3.2 : D9.8 PHOTOGRAPH



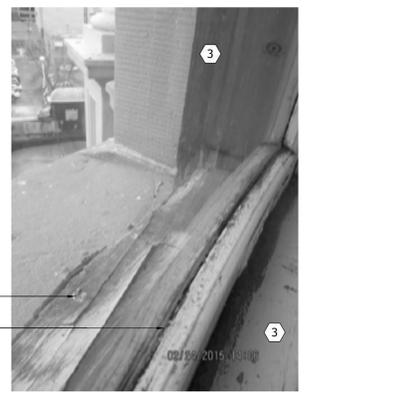
**7 EAST WINDOW**  
D3.2 : D9.8 PHOTOGRAPH



**8 EAST WINDOW**  
D3.2 : D9.8 PHOTOGRAPH



**9 SOUTHEAST WINDOW**  
D3.2 : D9.8 PHOTOGRAPH



**11 SOUTHEAST WINDOW**  
D3.2 : D9.8 PHOTOGRAPH

DEMOLITION PHOTOGRAPHS: DOME WINDOWS  
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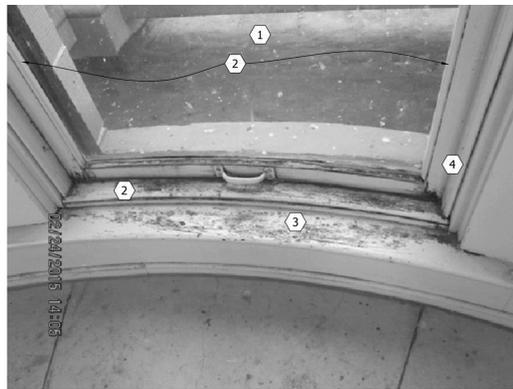
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D9.8



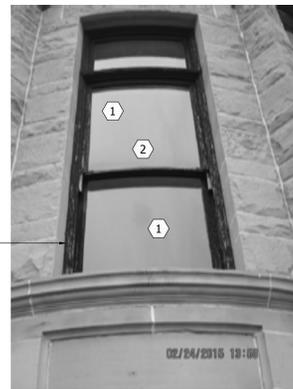
**1** SOUTH WINDOW

D3.2 : D9.9 PHOTOGRAPH



**2** SOUTH WINDOW

D3.2 : D9.9 PHOTOGRAPH



**3** SOUTHWEST WINDOW

D3.2 : D9.9 PHOTOGRAPH



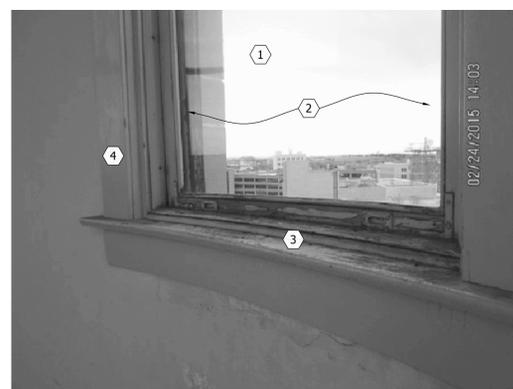
**4** SOUTHWEST WINDOW

D3.2 : D9.9 PHOTOGRAPH



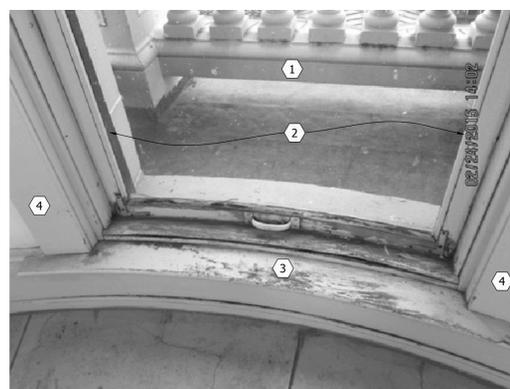
**6** SOUTHWEST WINDOW

D3.2 : D9.9 PHOTOGRAPH



**7** SOUTHWEST WINDOW

D3.2 : D9.9 PHOTOGRAPH



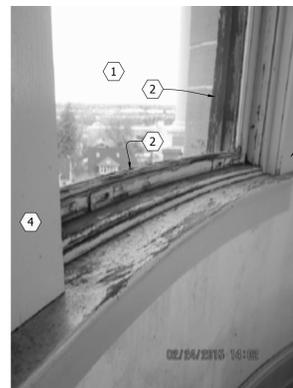
**8** WEST WINDOW

D3.2 : D9.9 PHOTOGRAPH



**9** WEST WINDOW

D3.2 : D9.9 PHOTOGRAPH



**11** NORTHWEST WINDOW

D3.2 : D9.9 PHOTOGRAPH



**12** NORTHWEST WINDOW

D3.2 : D9.9 PHOTOGRAPH

**#** GENERAL DEMOLITION NOTES

1. REMOVE (E) DOUBLE HUNG WOOD WINDOW SASH TO BE REPLACED NEW IN-KIND TO EXISTING AND SALVAGE WINDOW HARDWARE, TYP. - SEE WINDOW SCHEDULE ON SHEET A9.10
2. SALVAGE SOUND CURVED GLASS AND HARDWARE FOR REUSE & INSTALLATION TO NEW WOOD WINDOW SASH, TYP.
3. REPAIR (E) WOOD WINDOW FRAMES, TYP.
4. PREPARE INTERIOR WINDOW FRAME, TRIM, STOOL, ETC. FOR NEW PAINT FINISH, TYP.
5. PREPARE (E) TRANSOM WINDOWS, INTERIOR & EXTERIOR FOR NEW PAINT FINISH.
6. REMOVE ASBESTOS-CONTAINING MATERIALS AND LEAD-IN-PAINT IN EXTENTS NECESSARY TO PERFORM THE WORK INDICATED IN ACCORDANCE WITH TDS&H ENGINEERING'S REVISED LIMITED PRE-RENOVATION ASBESTOS AND LEAD-IN-PAINT INSPECTION REPORT DATED SEPTEMBER 25, 2015 INCLUDED IN THE PROJECT MANUAL.

**#** KEYNOTES

- ① SALVAGE SOUND GLAZING FOR REUSE. NO SALVAGE TO DAMAGED CURVED GLAZING.
- ② REMOVE (E) WOOD DOUBLE HUNG WINDOW SASH - PREPARE (E) WINDOW FRAME FOR (N) WOOD FIXED SASH - SEE WINDOW SCHEDULE SHEET A9.10.
- ③ PREP WOOD SILL STOPS, JAMB, FRAME AND STOOL FOR NEW FINISH.
- ④ PREP INTERIOR WOOD TRIM FOR NEW FINISH, TYP.
- ⑤ PREP TRANSOM WINDOW AND EXTERIOR AND INTERIOR WOOD WINDOW FRAME FOR NEW FINISH, TYP.



DEMOLITION PHOTOGRAPHS: DOME WINDOWS CONT'D  
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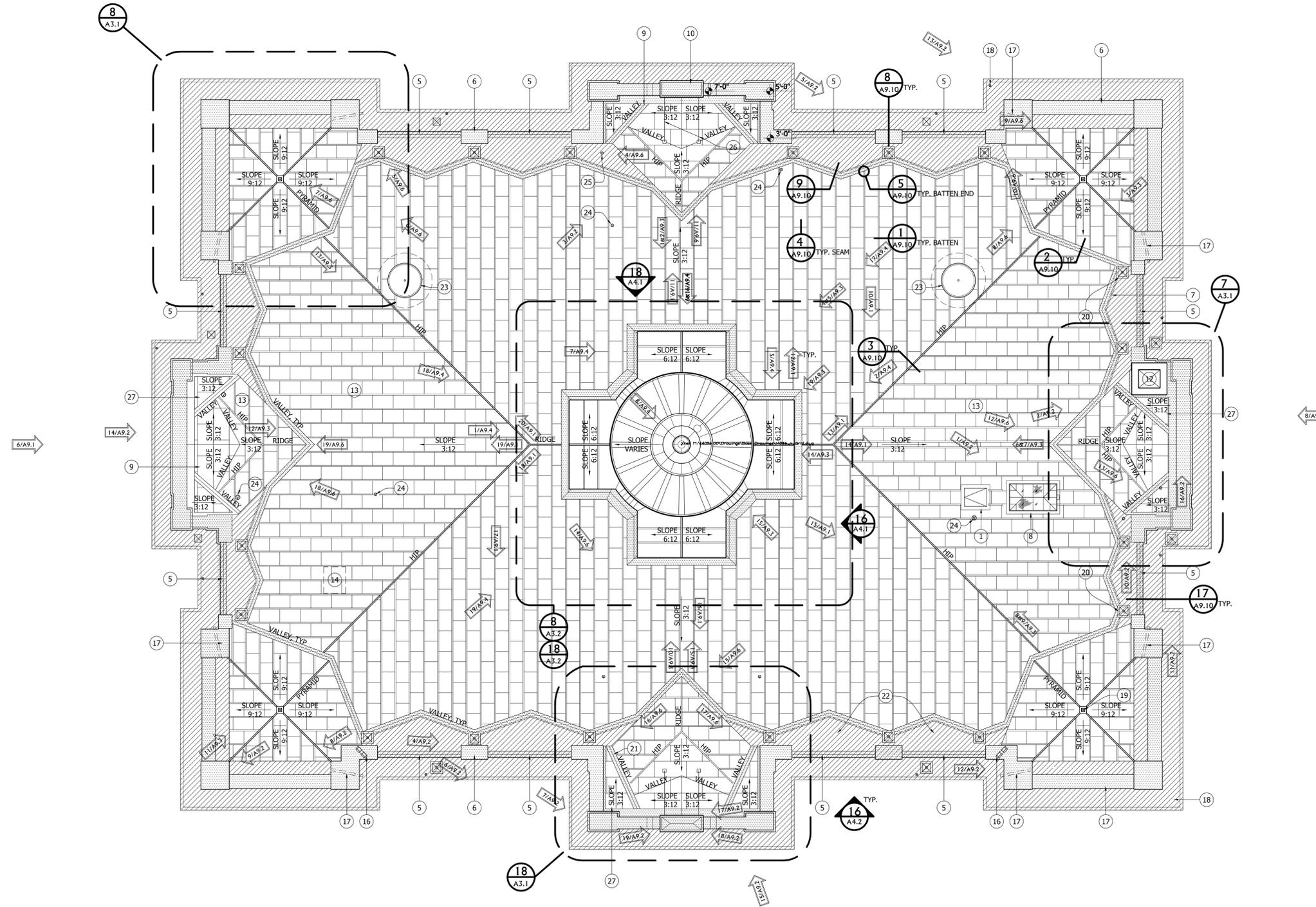
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# GENERAL CONSTRUCTION NOTES

- REMOVE AND REPLACE (E) WATER DAMAGED AND / OR DETERIORATED AND UNSOUND WOOD SHEATHING IN-KIND TO (E) SHEATHING TO PROVIDE NEW P.T. WOOD SHEATHING FOR NEW COPPER FINISHES.
- NEW WORK SHALL MATCH (E) DETAIL AND / OR CONDITION "IN-KIND" UNLESS NOTED OTHERWISE, TYPICALLY.
- ROOFING AND FLASHING TO BE COPPER UNLESS NOTED OTHERWISE, TYPICALLY.
- PROVIDE SELF-ADHERED ROOFING UNDERLAYMENT FOR HIGH TEMPERATURE APPLICATIONS UNDER COPPER FINISHES. PREPARE/PRIME ROOF DECK ACCORDING TO MFR RECOMMENDATIONS.
- REPLACE ALL CAULKING BETWEEN CAST IRON BALUSTRADE AND SANDSTONE DRUM AT THE DRUM PORTICO LEVEL, TYPICALLY. PREP, PRIME AND REPAINT CAST IRON.
- MAINTAIN (E) ROOF DRAINS AND OVERFLOW DRAINS, TYPICALLY.
- SHOP BUILD DECORATIVE COPPER DETAILS TO MATCH IN-KIND TO (E) DETAIL. TYPICALLY. FIELD VERIFY CONDITIONS AND INSTALLATION TO NEW COPPER FINISHES.
- REINSTALL SALVAGED SOUND WOOD BATTENS, PROVIDE NEW TO REPLACE DAMAGED AND OR DETERIORATED W/ P.T. WOOD BATTENS, TYPICALLY.
- PREPARE (E) BUILT-IN GUTTER FOR NEW FULLY ADHERED EPDM MEMBRANE ROOF FINISH, TYPICALLY. COORDINATE WITH (E) GUTTER DRAIN AND OVER-FLOW DRAIN SCHEDULED TO REMAIN AND COPPER CORNICE SCHEDULED TO REMAIN.
- INSTALL COPPER PARAPET FINISHES TO ENCLOSE (E) ABANDONED SKY FACING CHIMNEY OPENINGS, TYPICALLY.
- REINSTALL SALVAGED SOUND WOOD BATTENS, PROVIDE NEW TO REPLACE DAMAGED AND OR DETERIORATED BATTENS WITH NEW P.T. BATTENS IN-KIND TO (E).
- REFER TO THE SPECIFICATION WHICH INDICATES EXTENTS OF (E) COPPER FINISHES TO BE USED AS A MEANS TO DEMONSTRATE IN-KIND REPLACEMENTS. COORDINATE QUESTIONABLE CONDITIONS W/ THE ARCHITECT.
- DIMENSIONS GIVEN ARE FOR REFERENCE ONLY, VERIFY DIMENSIONS IN THE FIELD.

# # KEYNOTES

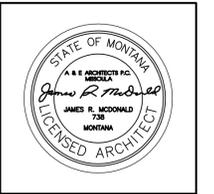
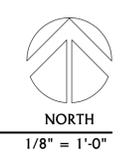
- COPPER FLASHING TO (E) ROOF ACCESS HATCH - TYPICALLY.
- COPPER BATTEN SEAM DOME ROOF FINISH, COORDINATE WITH "LADY JUSTICE" AND NEW COPPER DOME ACCESS HATCH LID, TYPICALLY.
- COPPER BATTEN SEAM PORTICO ROOF, TYMPANUM, AND HORIZONTAL CORNICE AT DOME, TYPICALLY.
- COPPER SINGLE LOCK W/ SOLDERED FLAT SEAM SCROLLS, TYPICALLY. FIELD VERIFY CONDITIONS TO MATCH IN-KIND TO EXISTING
- COPPER BALUSTERS AT BALUSTRADE, TYPICALLY. COORDINATE WITH NEW COPPER FINISH TO TOP AND BOTTOM RAIL OF BALUSTRADE AND ADJACENT PARAPET WALL FINISH, TYPICALLY. NEW COPPER BALUSTERS TO MATCH IN-KIND TO (E).
- COPPER PARAPET COPING, SLOPE TO DRAIN TYPICALLY - SEE 8/A9.10 FOR CAP FLASHING AND 16/A9.10 FOR COUNTERFLASHING DETAIL.
- NEW AND/OR SALVAGED WOOD DIVERTERS (PROFILE AS BATTENS) COVER WITH FULLY ADHERED EPDM MEMBRANE AND COPPER ROOF UNDERLAYMENT, TYPICALLY. COVER WITH COPPER BATTEN FLASHING, TYPICALLY.
- PROVIDE COPPER FLASHING AND COPPER WALL FINISH TO (E) SKYLIGHT, TYPICALLY.
- SINGLE LOCK COPPER ROOF FINISH WITH SOLDERING FLAT SEAMS, TYPICALLY.
- CUSTOM SHOP BUILT COPPER PARAPET DECORATIVE DETAIL TO MATCH IN-KIND TO EXISTING BLIND-SOLDER ALL SEAMS, TYPICALLY. COORDINATE INSTALLATION WITH EXISTING CONDITIONS AND NEW PARAPET COPPER CAP, TYPICALLY.
- NOT USED.
- (E) SANDSTONE CHIMNEY, REPOINT. COORDINATE NEW COPPER ROOFING, FLASHING, NEW COPPER PARAPET WALL AND CAP FINISHES, TYPICALLY.
- COPPER SEAM AND BATTEN ROOF FINISH TO MATCH IN-KIND TO EXISTING. INSTALL TO PREPARED SHEATHING, TYPICALLY. REUSE EXISTING SOUND WOOD BATTENS, PROVIDE NEW P.T. BATTENS AS REQUIRED, TYPICALLY.
- INFILL ROOF FRAMING AND SHEATHING AT LOCATION OF REMOVED ABANDONED ROOF ACCESS HATCH, FIRE PROOF INTERIOR SIDE OF NEW SHEATHING WITH 2 LAYERS TYPE 'X' GYP BD SPECIFIED, TYPICALLY. FIRE TAPE, NO FINISH, TYPICALLY.
- COPPER DOME ACCESS LID, FIELD COORDINATE TO MATCH IN-KIND TO (E) CONDITIONS. SECURE IN PLACE TO MATCH (E) CONDITION.
- (E) PARAPET MOUNTED LIGHT FIXTURE AND CONDUIT. REMOVE AS REQUIRED FOR SELECTIVE DEMOLITION AND INSTALLATION OF NEW COPPER PARAPET CAP AND COPPER WALL FINISHES. REINSTALL TO ORIGINAL CONDITION/LOCATION. SEPARATE METALS AS REQUIRED, TYPICALLY.
- (E) THRU-WALL COPPER ROOF DRAIN PIPE - REMOVE AND REPLACE WITH NEW TO MATCH IN-KIND TO HISTORIC CONDITION, TYPICALLY. FIELD VERIFY CONDITIONS TO MATCH.
- FULLY ADHERED EPDM MEMBRANE ROOF TO LINE (E) BUILT-IN COPPER GUTTER, TYPICALLY. FIELD COORDINATE WITH (E) BUILT-IN GUTTER DRAINS, OVERFLOW DRAINS AND NEW COPPER PARAPET WALL FINISH, TYPICALLY.
- COPPER FINIAL, TYPICALLY AT HIP ROOF, MATCH IN-KIND TO EXISTING.
- (E) ROOF DRAIN, COORDINATE WITH NEW WOOD BATTENS, MEMBRANE ROOF, AND COPPER ROOF FINISHES, TYPICALLY.
- COPPER FLASHING, COORDINATE CONDITIONS WITH NEW COPPER ROOF FINISHES AND WOOD BATTENS, TYPICALLY.
- FULLY ADHERED EPDM MEMBRANE AND UNDERLAYMENT, TYPICALLY. EXTEND MEMBRANE UNDER BOTTOM RAIL OF BALUSTRADE INTO BUILT-IN GUTTER AND EPDM MEMBRANE FINISHES TO BUILT-IN GUTTER, SEAM AS REQUIRED, TYPICALLY.
- (E) ATTIC VENT, COORDINATE FLASHING WITH NEW COPPER ROOF FINISH AND WOOD BATTENS / COPPER BATTEN FLASHING, TYPICALLY.
- COPPER ROOF JACK FLASHING AT RISER PIPE, TYPICALLY, MATCH IN-KIND TO EXISTING. COORDINATE WITH COPPER ROOF FINISHES AND BATTENS, TYPICALLY.
- ROOF JACK FLASHING TO RISER PIPE AT EPDM MEMBRANE ROOF FINISH, TYPICALLY, MATCH IN-KIND TO (E)
- (E) PARAPET SUPPORT RODS AND ATTACHMENTS, FIELD COORDINATE WITH COPPER ROOF AND PARAPET WALL FINISHES, TYPICALLY.
- PROVIDE P.T. WOOD FRAMING & PLYWOOD CRICKETS AT DORMERS, TYPICALLY.



**NOTICE**  
COMPLY WITH HOT WORK PERMIT REQUIREMENTS

### LEGEND

ITEM	DESCRIPTION	SYMBOL	DESCRIPTION
[Hatched Box]	BATTEN (RIBBED) SEAM COPPER ROOFING	[Circle]	ROOF VENT
[Diagonal Lines]	COPPER FLASHING	[Vertical Line]	EXHAUST FLUE
[Stippled Box]	EPDM ROOFING	[Circle with Dot]	STATUE LIGHT
[Square with X]	INTERNAL ROOF DRAIN		
[Star]	EMERGENCY OVERFLOW ROOF DRAIN THRU CORNICE		



**CONSTRUCTION ROOF PLAN**  
**CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT**  
**BOARD OF COUNTY COMMISSIONERS**  
**CASCADE COUNTY COURTHOUSE ANNEX**  
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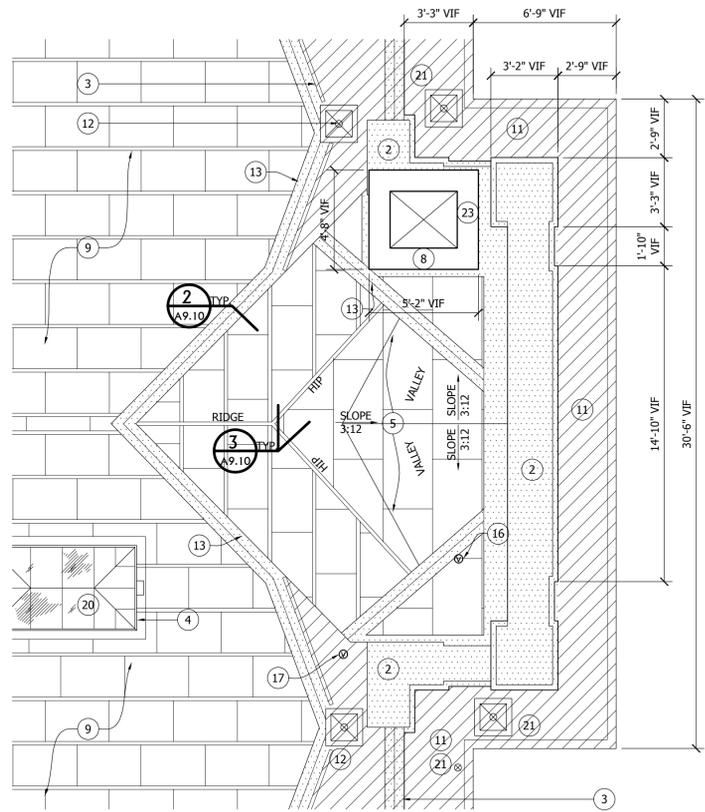
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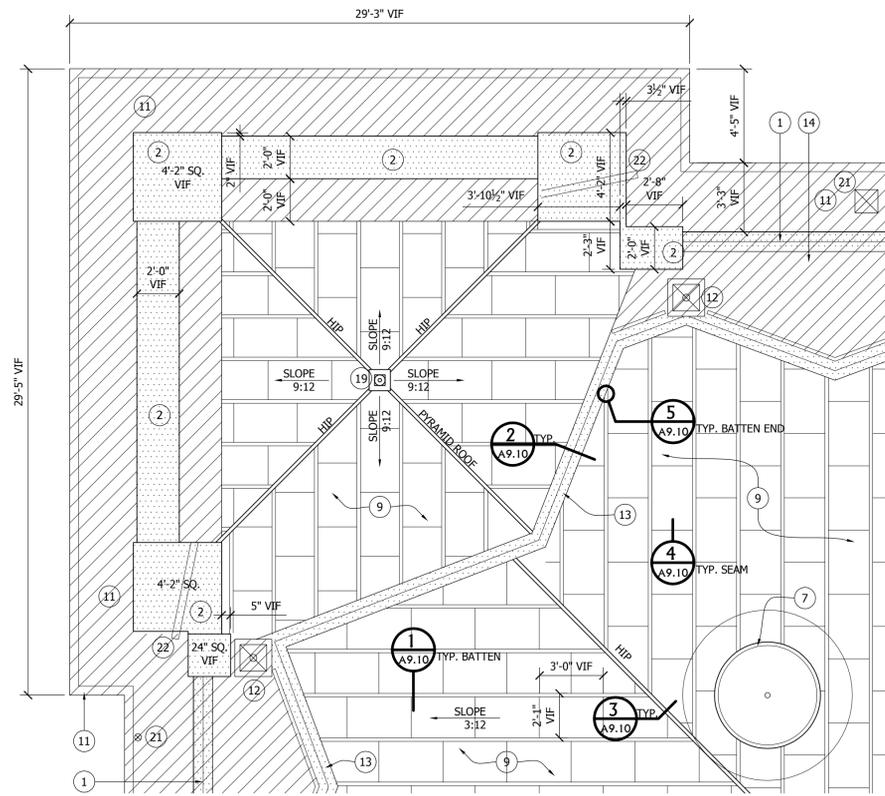


**7 CONSTRUCTION PLAN EAST DORMER (WEST SIM)**

A2.1 : A3.1



1/4" = 1'-0"

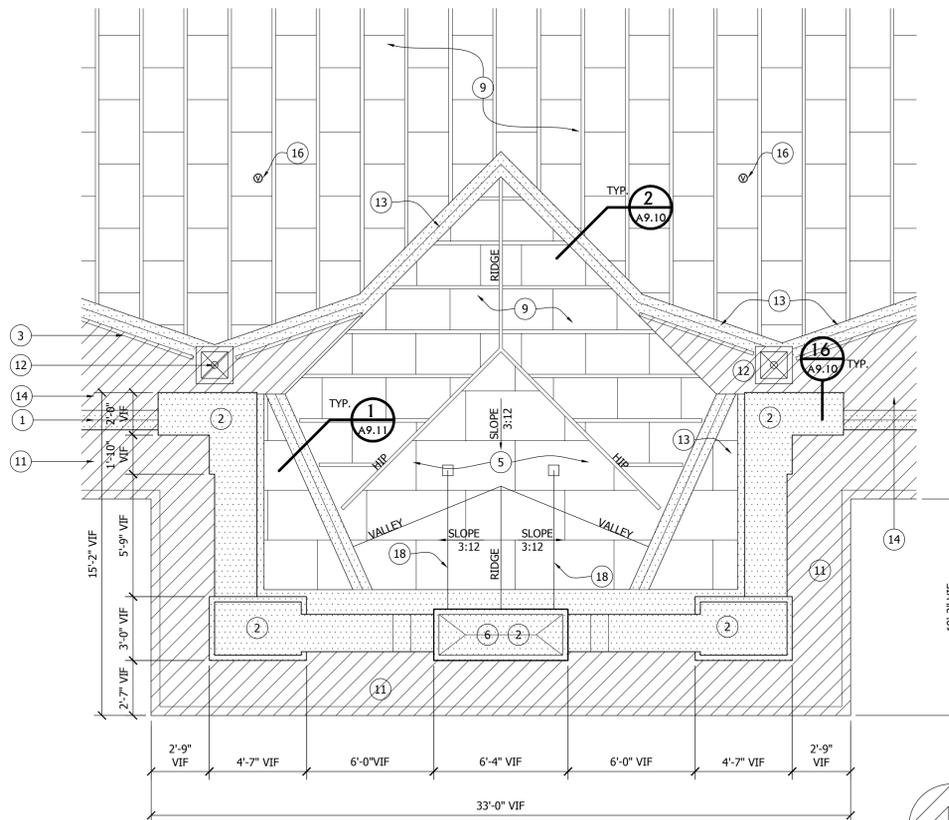


**8 CONSTRUCTION PLAN PYRAMID ROOF - TYPICAL (4 LOCATIONS)**

A2.1 : A3.1



1/4" = 1'-0"



**18 CONSTRUCTION PLAN SOUTH DORMER (NORTH SIMILAR)**

A2.1 : A3.1



1/4" = 1'-0"

**GENERAL NOTES**

- REMOVE (E) OR REPLACE WATER DAMAGED AND / OR DETERIORATED AND UNSOUND WOOD SHEATHING IN-KIND TO (E) SHEATHING TO PROVIDE SUITABLE SHEATHING FOR NEW FINISHES OR FINISHED APPEARANCE OF EXISTING ELEMENTS SCHEDULED TO REMAIN.
- NEW WORK SHALL MATCH (E) DETAIL AND / OR CONDITION 'IN-KIND' UNLESS NOTED OTHERWISE, TYPICALLY.
- ROOFING AND FLASHING TO BE COPPER UNLESS NOTED OTHERWISE, TYPICALLY.
- PROVIDE SELF-ADHERED ROOFING UNDERLAYMENT FOR HIGH TEMPERATURE APPLICATIONS UNDER COPPER FINISHES, TYPICALLY.
- REPLACE ALL CAULKING BETWEEN CAST IRON BALUSTRADE AND SANDSTONE DRUM AT THE DRUM PORTICO LEVEL, TYPICALLY.
- MAINTAIN (E) ROOF DRAINS AND OVERFLOW DRAINS, TYPICALLY.
- SHOP BUILD DECORATIVE COPPER DETAILS TO MATCH IN-KIND TO HISTORIC DETAIL, TYPICALLY. FIELD VERIFY CONDITIONS AND INSTALLATION TO NEW COPPER FINISHES.
- REINSTALL SALVAGED SOUND WOOD BATTENS, PROVIDE NEW P.T. WOOD BATTENS TO REPLACE DAMAGED AND OR DETERIORATED WOOD BATTENS, TYPICALLY.
- PREPARE (E) BUILT-IN GUTTER FOR NEW FULLY ADHERED EPDM MEMBRANE ROOF FINISH, TYPICALLY. COORDINATE WITH (E) GUTTER DRAIN AND OVER-FLOW DRAIN SCHEDULED TO REMAIN AND COPPER CORNICE SCHEDULED TO REMAIN.
- INSTALL COPPER PARAPET FINISHES TO ENCLOSE (E) ABANDONED SKY FACING CHIMNEY OPENINGS, TYPICALLY.
- REFER TO THE SPECIFICATION WHICH INDICATES EXTENTS OF (E) COPPER FINISHES TO BE USED AS A MEANS TO DEMONSTRATE IN-KIND REPLACEMENTS. COORDINATE QUESTIONABLE CONDITIONS W/ THE ARCHITECT.

**# KEYNOTES**

- | #  | KEYNOTES   |
|----|--|
| 1  | COPPER BALUSTERS AT BALUSTRADE, TYPICALLY. COORDINATE WITH NEW COPPER FINISH TO TOP AND BOTTOM RAIL OF BALUSTRADE AND ADJACENT COPPER PARAPET WALL FINISH, TYPICALLY.                                      |
| 2  | COPPER PARAPET WALL AND COPPER CAP FINISH, SLOPE CAP TO DRAIN TYPICALLY.   |
| 3  | NEW AND/OR SALVAGED WOOD DIVERTERS (PROFILE AS BATTENS) COVER WITH FULLY ADHERED EPDM MEMBRANE AND COPPER ROOF UNDERLAYMENT, TYPICALLY. COVER WITH COPPER BATTEN FLASHING, TYPICALLY.                      |
| 4  | PROVIDE COPPER FLASHING AND COPPER WALL FINISH TO (E) SKYLIGHT, TYPICALLY.   |
| 5  | SINGLE LOCK COPPER ROOF FINISH WITH SOLDERING FLAT SEAMS, TYPICALLY.   |
| 6  | CUSTOM SHOP BUILT COPPER PARAPET DECORATIVE DETAIL TO MATCH IN-KIND TO EXISTING BLIND-SOLDER ALL SEAMS, TYPICALLY. COORDINATE INSTALLATION WITH EXISTING CONDITIONS AND NEW PARAPET COPPER CAP, TYPICALLY. |
| 7  | (E) ATTIC VENT. COORDINATE FLASHING WITH (N) COPPER ROOF FINISH AND WOOD BATTENS/COPPER BATTEN FLASHING, TYP.  |
| 8  | (E) SANDSTONE CHIMNEY. COORDINATE NEW COPPER ROOFING, FLASHING, NEW PARAPET WALL AND CAP FINISHES, REPOINT SANDSTONE, TYPICALLY.   |
| 9  | COPPER SEAM AND BATTEN ROOF FINISH TO MATCH IN-KIND TO EXISTING. INSTALL TO PREPARED SHEATHING, TYPICALLY. REUSE EXISTING SOUND WOOD BATTENS, PROVIDE NEW P.T. BATTENS AS REQUIRED, TYPICALLY.             |
| 10 | COPPER ROOF DRAIN PIPE THRU-WALL, MATCH IN-KIND TO HISTORIC CONDITION, TYPICALLY. FIELD VERIFY CONDITIONS.   |
| 11 | FULLY ADHERED EPDM MEMBRANE ROOF TO LINE (E) BUILT-IN COPPER GUTTER, TYPICALLY. FIELD COORDINATE WITH (E) BUILT-IN GUTTER DRAINS, OVERFLOW DRAINS AND NEW COPPER PARAPET WALL FINISH, TYPICALLY.           |
| 12 | (E) ROOF DRAIN, COORDINATE WITH NEW WOOD BATTENS, MEMBRANE ROOF, AND COPPER ROOF FINISHES, TYPICALLY.  |
| 13 | COPPER FLASHING, COORDINATE CONDITIONS WITH NEW COPPER ROOF FINISHES AND WOOD BATTENS, TYPICALLY.  |
| 14 | FULLY ADHERED EPDM MEMBRANE AND UNDERLAYMENT, TYPICALLY. EXTEND MEMBRANE UNDER BOTTOM RAIL OF BALUSTRADE INTO BUILT-IN GUTTER AND EPDM MEMBRANE FINISHES TO BUILT-IN GUTTER, SEAM AS REQUIRED, TYPICALLY.  |
| 15 | (E) ATTIC VENT, COORDINATE FLASHING WITH NEW COPPER ROOF FINISH AND WOOD BATTENS / COPPER BATTEN FLASHING, TYPICALLY.  |
| 16 | COPPER ROOF JACK FLASHING AT RISER PIPE TYPICALLY, MATCH IN-KIND TO EXISTING COORDINATE WITH COPPER ROOF FINISHES AND BATTENS, TYPICALLY.  |
| 17 | COPPER ROOF JACK FLASHING TO RISER PIPE AT EPDM MEMBRANE ROOF FINISH, TYPICALLY, MATCH IN-KIND TO EXISTING   |
| 18 | (E) PARAPET SUPPORT RODS AND ATTACHMENTS, FIELD COORDINATE WITH COPPER ROOF AND PARAPET WALL FINISHES, TYPICALLY.  |
| 19 | COPPER FINIAL, TYPICALLY AT HIP ROOF, MATCH IN-KIND TO EXISTING  |
| 20 | GLAZED SKYLIGHT, WITH COPPER FLASHING AND COPPER WALL FINISH, TYP.   |
| 21 | (E) BUILT-IN GUTTER DRAIN AND / OR OVERFLOW DRAIN - COORDINATE WITH EPDM MEMBRANE INSTALLATION - TYPICALLY.  |
| 22 | COPPER OVERFLOW PIPE DRAIN, FIELD COORDINATE TO MATCH IN-KIND TO (E).  |
| 23 | REPOINT ENTIRE SANDSTONE CHIMNEY. TREAT SANDSTONE SURFACES.  |

**NOTICE**

COMPLY WITH HOT WORK PERMIT REQUIREMENTS

**LEGEND**

ITEM	DESCRIPTION		
	BATTEN (RIBBED) SEAM COPPER ROOFING		INTERNAL ROOF DRAIN
	COPPER FLASHING		EMERGENCY OVERFLOW ROOF DRAIN THRU CORNICE
	EPDM ROOFING		ROOF VENT



ENLARGED CONSTRUCTION DORMER & PYRAMID ROOF PLANS  
 CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
 BOARD OF COUNTY COMMISSIONERS  
 CASCADE COUNTY COURTHOUSE ANNEX  
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DRAWING PROJECT OWNER

PROJECT NO 14036  
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**A3.1**



**1** SOUTHWEST WINDOW SILL  
A3.2 : A3.2 PHOTOGRAPH



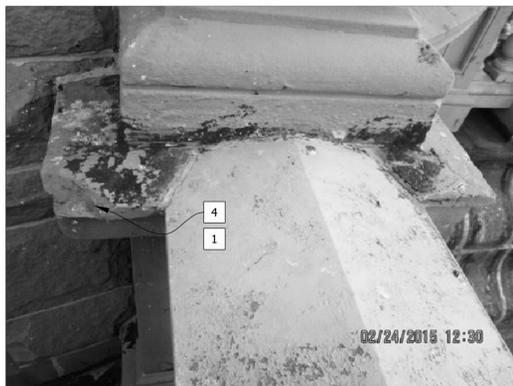
**2** NORTHWEST WINDOW SILL  
A3.2 : A3.2 PHOTOGRAPH



**6** EAST BALCONY SOUTH COLUMN  
A3.2 : A3.2 PHOTOGRAPH



**7** EAST BALCONY SOUTH COLUMN  
A3.2 : A3.2 PHOTOGRAPH



**11** WEST BALCONY SOUTH COLUMN  
A3.2 : A3.2 PHOTOGRAPH



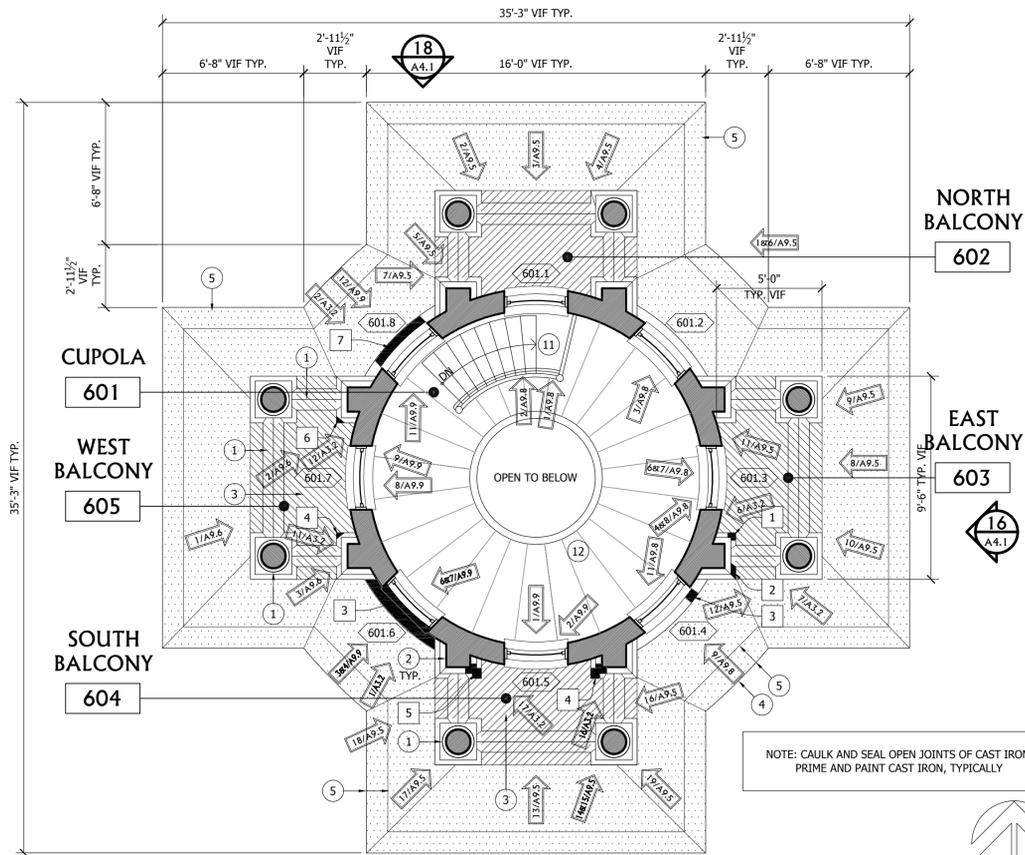
**12** WEST BALCONY STONE REPAIR  
A3.2 : A3.2 PHOTOGRAPH



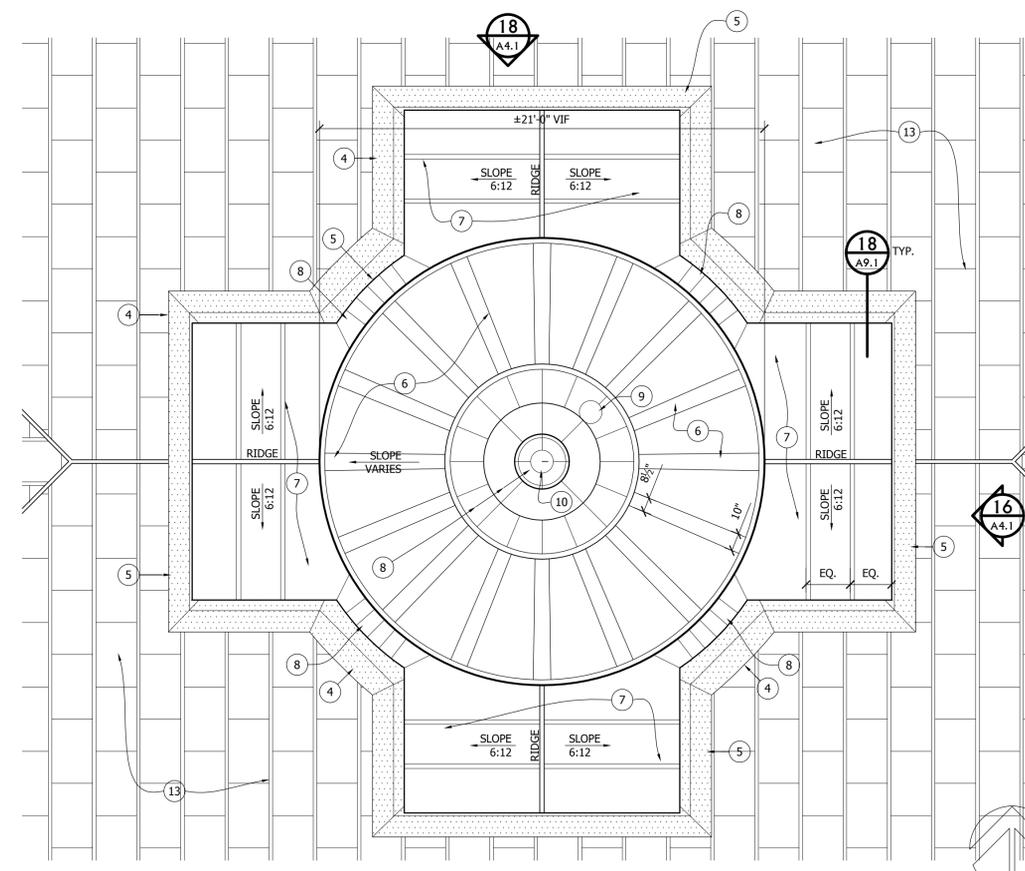
**16** SOUTH BALCONY EAST COLUMN  
A3.2 : A3.2 PHOTOGRAPH



**17** SOUTH BALCONY WEST COLUMN  
A3.2 : A3.2 PHOTOGRAPH



**8** CONSTRUCTION PLAN BALCONY AT DOME  
A2.1 : A3.2



**18** CONSTRUCTION PLAN DOME ROOF  
A2.1 : A3.2

**BALCONY/DOME GENERAL NOTES**

1. REMOVE & REPLACE DAMAGED AND/OR DETERIORATED WOOD SHEATHING, WITH NEW P.T. WOOD SHEATHING MATCHING EXISTING CONDITIONS, TYP. WOOD SHEATHING MATERIALS VARY BY LOCATION, TYP.
2. NEW WORK SHALL MATCH (E) CONDITIONS 'IN-KIND' UNLESS NOTED OTHERWISE, TYPICALLY.
3. ALL SHEET METAL ROOFING AND FLASHING SHALL BE COPPER UNLESS NOTED OTHERWISE, TYPICALLY.
4. PROVIDE SELF-ADHERED ROOFING UNDERLAYMENT FOR HIGH TEMPERATURE APPLICATIONS UNDER COPPER FINISHES, TYPICALLY.
5. REPLACE SEALANT AT CAST IRON DETAILS, TYPICALLY, PRIME AND PAINT CAST IRON.

**# BALCONY SANDSTONE REPAIR**

1	SANDSTONE REPAIR, MATCH IN-KIND HISTORIC MISSING DETAIL.
2	SANDSTONE CRACK, REPAIR AND STONE PATCH AT BALUSTRADE TO CAST IRON, MATCH IN-KIND TO HISTORIC DETAIL.
3	SANDSTONE SILL PATCH REPAIR, MATCH TO ADJACENT SOUND SANDSTONE DETAIL.
4	PROVIDE SANDSTONE PATCH TO RECREATE MISSING DETAIL TO MATCH IN-KIND TO EXISTING.
5	SANDSTONE REPAIR AND PATCH AT CRACKED & DELAMINATING SANDSTONE DETAIL, MATCH IN-KIND TO HISTORIC DETAIL.
6	PATCH SANDSTONE BASE, MATCH IN-KIND TO HISTORIC DETAIL.
7	SANDSTONE REPAIR - REPAIR CRACK IN SANDSTONE SILL.

**NOTICE**  
COMPLY WITH HOT WORK PERMIT REQUIREMENTS

**# BALCONY/DOME KEYNOTES**

1. (E) CAST IRON BALUSTRADE & COLUMNS REPAIR AS REQD, SEAL JOINTS, AND PRIME AND REPAINT, TYP.
2. (E) SANDSTONE DRUM, TYP.
3. HATCH INDICATES EPDM MEMBRANE ROOF AT BALCONIES, ADHERE MEMBRANE TO CAST IRON AND USE VERTICAL TERMINATION REGLET AT SANDSTONE WALL - SEE DETAIL 6/A9.10
4. 1'-1 1/2" X 1'-6" COPPER WALL SHINGLES, MATCH IN-KIND TO EXISTING, TYP. - SEE ELEVATION SHEET A4.1 & DETAIL 18/A9.10
5. HATCH INDICATES COPPER SCROLLS BELOW, MATCH IN-KIND TO EXISTING, TYP. - SEE DETAIL 7/A9.10
6. BATTEN SEAM COPPER DOME ROOF (16 BATTENS), MATCH IN-KIND TO EXISTING, REUSE SALVAGED SOUND WOOD BATTEN, TYP. - SEE DETAILS 1-5/A9.10
7. BATTEN SEAM PORTICO COPPER ROOF (BATTENS EQUALLY SPACED), MATCH IN-KIND TO EXISTING, REUSE SALVAGED SOUND WOOD BATTEN, TYP.
8. SINGLE LOCK W/ SOLDERING FLAT SEAM COPPER ROOF FINISH, MATCH IN-KIND TO EXISTING, TYP.
9. COPPER DOME ACCESS, MATCH IN-KIND TO EXISTING.
10. "LADY JUSTICE" TO REMAIN FIELD, COORD. W/ NEW COPPER DOME FINISH AND DETAILS.
11. INTERIOR STAIR AND HANDRAIL, NO WORK, PROTECT.
12. PRIME AND PAINT INTERIOR AND EXTERIOR OF (E) WINDOW FRAMES, STOOLS AND TRIM, TYP.
13. COPPER HIP ROOF W/ COPPER FINISHED WOOD BATTENS, MATCH IN-KIND TO EXISTING CONDITIONS.

**LEGEND**

ITEM	DESCRIPTION
(Symbol)	BATTEN (RIBBED) SEAM COPPER ROOFING
(Symbol)	COPPER FLASHING
(Symbol)	EPDM ROOFING



ENLARGED CONSTRUCTION DOME & BALCONY PLANS & PHOTOGRAPHS  
CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
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CASCADE COUNTY COURTHOUSE ANNEX  
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**A3.2**



## # CONSTRUCTION GENERAL NOTES

1. PROVIDE COPPER FINISHES TO EXPOSE WOOD SHEATHING TO MATCH IN-KIND TO (E) CONDITIONS.
2. PROVIDE COPPER FLASHING AND COUNTER FLASHING TO MATCH IN-KIND TO (E) CONDITIONS.
3. REUSE SOUND WOOD BATTENS.
4. REFERENCE SHEET A3.2 FOR CAST IRON WORK NOT NOTED ON THESE SHEETS.
5. REFERENCE SHEET A3.2 FOR SANDSTONE WORK NOT INDICATED ON THESE SHEETS.
6. PROTECT AND MAINTAIN (E) ROOF DRAIN.
7. MAINTAIN & PROTECT "LADY JUSTICE" IN PLACE, COORDINATE CONSTRUCTION AT BASE W/ COPPER REMOVAL AT DOME.
8. LINE EXISTING BUILT-IN GUTTER W/ FULLY ADHERED EPDM MEMBRANE, TYPICALLY.
9. REPLACE IN-KIND WATER DAMAGED AND/OR DETERIORATED WOOD SHEATHING, TYPICALLY.
10. SUBMIT SALVAGED COPPER DETAILS AND COMPONENTS AS A MEANS TO DEMONSTRATE IN-KIND REPLACEMENT.

## # CONSTRUCTION KEYNOTES

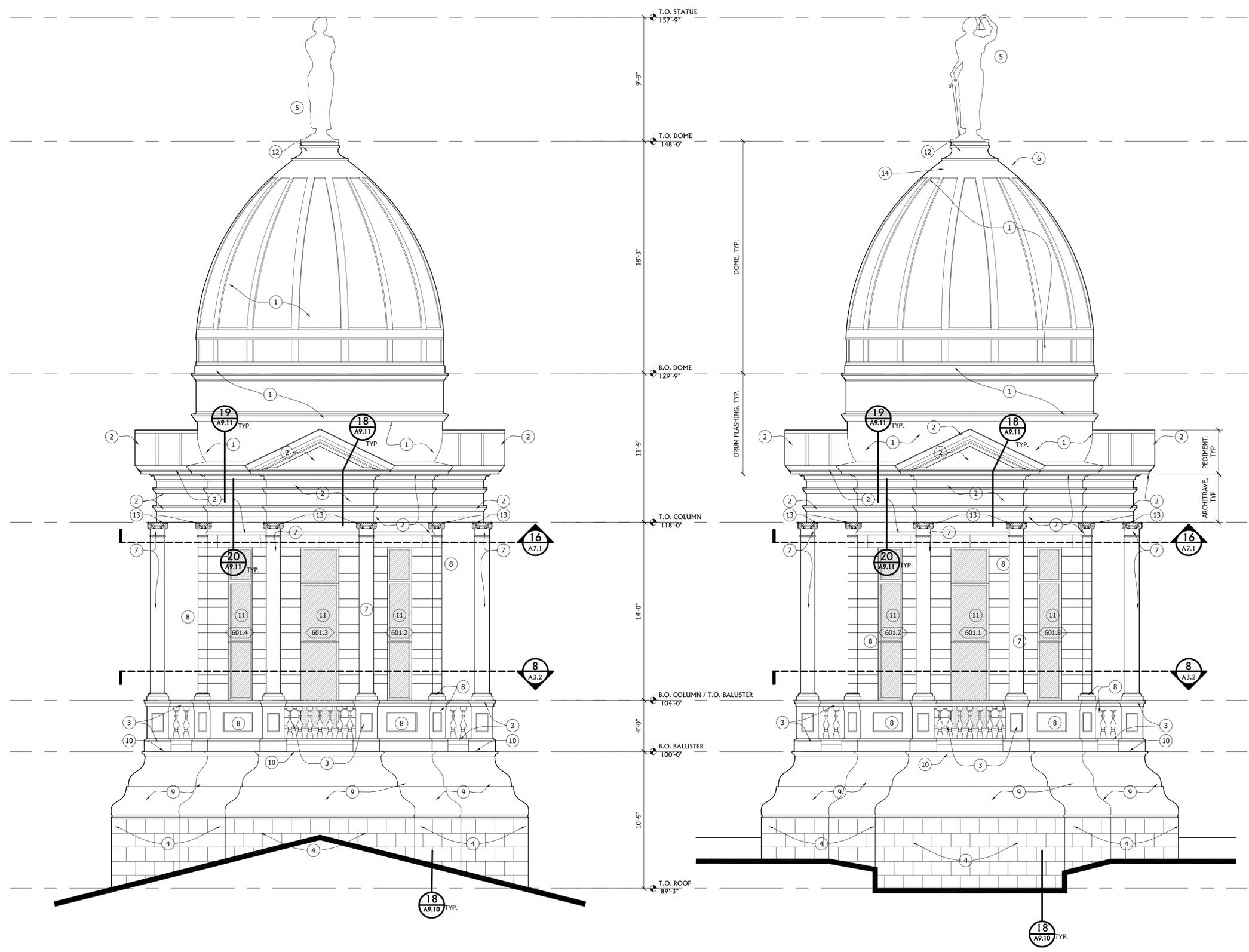
1. COPPER ROOF AND COPPER DRUM FINISH FOR DOME TO MATCH IN-KIND TO (E) CONDITIONS, TYP. REUSE SOUND WOOD BATTENS, PROVIDE AS REQUIRED. SEE DETAIL 16/A9.11.
2. COPPER PEDIMENT FINISH INCLUDING COPPER TYMPANUM AND HORIZONTAL CORNICE FINISHES TO MATCH IN-KIND TO (E) CONDITIONS, TYP. REUSE SOUND WOOD BATTENS, PROVIDE NEW AS REQUIRED.
3. REASSEMBLE (E) CAST IRON BALUSTRADE AND COLUMN BASE; SEAL JOINTS, CAULK JOINTS, PRIME AND PAINT CAST IRON FINISHES.
4. COPPER WALL SHINGLES TO MATCH IN-KIND TO (E) CONDITIONS.
5. "LADY JUSTICE" AT TOP OF COPPER DOME TO REMAIN, COORDINATE WITH CONSTRUCTION OF ADJACENT COPPER DOME FINISHES.
6. COPPER DOME ACCESS HATCH ON NORTHEAST SIDE OF DOME TO MATCH IN-KIND TO (E) CONDITIONS.
7. (E) CAST IRON COLUMNS, CORINTHIAN COLUMN CAPITOLS, BALUSTRADE AND BALUSTERS, CAULK JOINTS; PRIME AND PAINT.
8. (E) SANDSTONE DRUM OF DOME, REPAIR AS INDICATED.
9. COPPER FLASHING AND COPPER FINISH AT SCROLL AND WALL AT BASE OF DOME TO MATCH IN-KIND TO (E) CONDITIONS.
10. EPDM AND COVER BOARD AT FLAT AREAS OF EACH BALCONY, TYPICALLY.
11. WOOD DOUBLE HUNG WOOD WINDOW SASH AT DOME (2 SIZES), MATCH IN-KIND TO (E) CONDITIONS. PROVIDE NEW PAINT FINISH ON EXISTING WOOD WINDOW FRAME AND TRANSOM TO MATCH IN-KIND TO (E) CONDITIONS.
12. COPPER BASE FLASHING AT "LADY JUSTICE" AND TOP OF DOME TO MATCH IN-KIND TO (E) CONDITIONS.
13. CAULK CAST IRON JOINTS AND FILL OPEN TOP OF CORINTHIAN COLUMN CAPITOLS W/ GROUT, ALL LOCATIONS. FILED COORDINATE EXTENTS. SLOPE GROUT TO SHED WATER AWAY FROM CAST IRON COLUMN.
14. SINGLE LOCK W/ SOLDER FLAT SEAM COPPER ROOF, MATCH IN-KIND TO (E).

**NOTICE**  
COMPLY WITH HOT WORK PERMIT REQUIREMENTS

DRAWING PROJECT OWNER  
 CONSTRUCTION NORTH & EAST ELEVATIONS AT DOME  
 CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
 BOARD OF COUNTY COMMISSIONERS  
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**16** EAST ELEVATION (WEST ELEV. SIM.)  
A2.1 : A4.1 1/4" = 1'-0"

**18** NORTH ELEVATION (SOUTH ELEV. SIM.)  
A2.1 : A4.1 1/4" = 1'-0"



**1 BALUSTER**

A4.2 : A4.2

PHOTOGRAPH



**2 BALUSTRADE**

A4.2 : A4.2

PHOTOGRAPH



**3 BALUSTRADE / PARAPET**

A4.2 : A4.2

PHOTOGRAPH



**4 BUILT-IN GUTTER**

A4.2 : A4.2

PHOTOGRAPH



**9 BUILT-IN GUTTER**

A4.2 : A4.2

PHOTOGRAPH

**GENERAL NOTES**

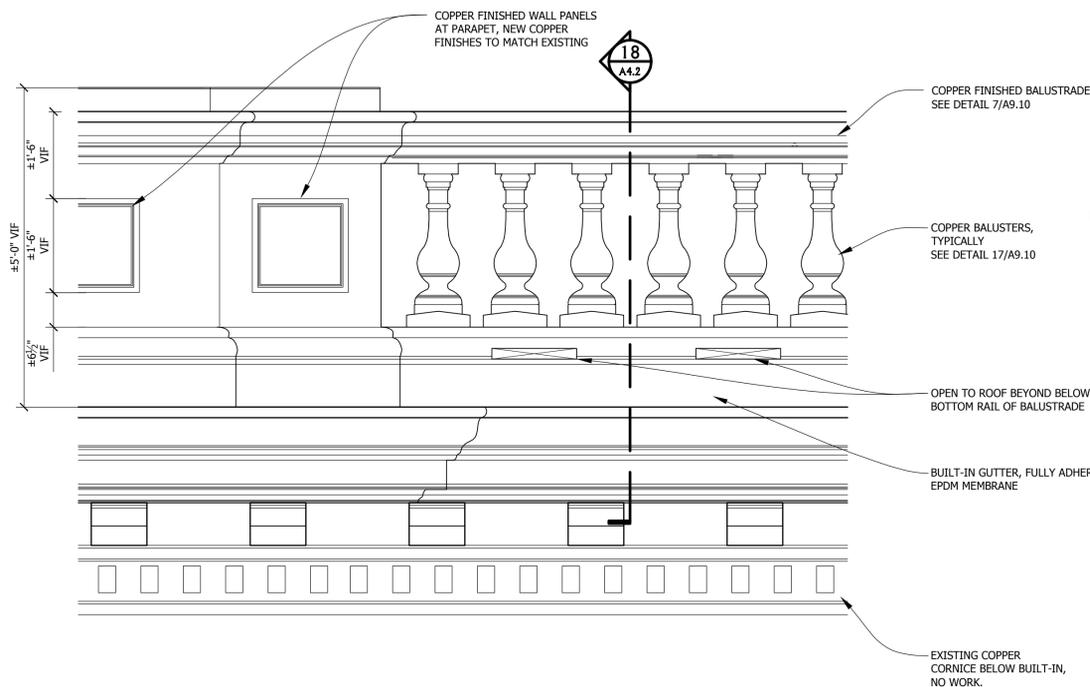
1. REMOVE & REPLACE DAMAGED AND/OR DETERIORATED WOOD SHEATHING, WITH NEW P.T. WOOD SHEATHING MATCHING EXISTING CONDITIONS, TYP. SUBSTRATE MATERIALS VARY BY LOCATION, TYP.
2. NEW WORK SHALL MATCH (E) CONDITIONS 'IN-KIND' UNLESS NOTED OTHERWISE, TYPICALLY
3. ALL SHEET METAL ROOFING AND FLASHING TO BE COPPER UNLESS NOTED OTHERWISE
4. PROVIDE SELF-ADHERED ROOFING UNDERLAYMENT FOR HIGH TEMPERATURE APPLICATIONS UNDER COPPER FINISHES, TYPICALLY.

**# CONSTRUCTION KEYNOTES**

1. COPPER BALUSTERS AT BALUSTRADE, TYPICALLY. COORDINATE WITH NEW COPPER FINISH TO TOP AND BOTTOM RAIL OF BALUSTRADE AND ADJACENT PARAPET WALL FINISH, TYPICALLY. COPPER BALUSTERS TO MATCH IN-KIND TO (E).
2. COPPER PARAPET COPING, SLOPE TO DRAIN TYPICALLY - SEE 8/A9.10 FOR CAP FLASHING AND 16/A9.10 FOR COUNTERFLASHING DETAIL.
3. FULLY ADHERED EPDM MEMBRANE ROOF TO LINE (E) BUILT-IN COPPER GUTTER, TYPICALLY. FIELD COORDINATE WITH (E) BUILT-IN GUTTER DRAINS, OVERFLOW DRAINS AND NEW COPPER PARAPET WALL FINISH, TYPICALLY.

**NOTICE**

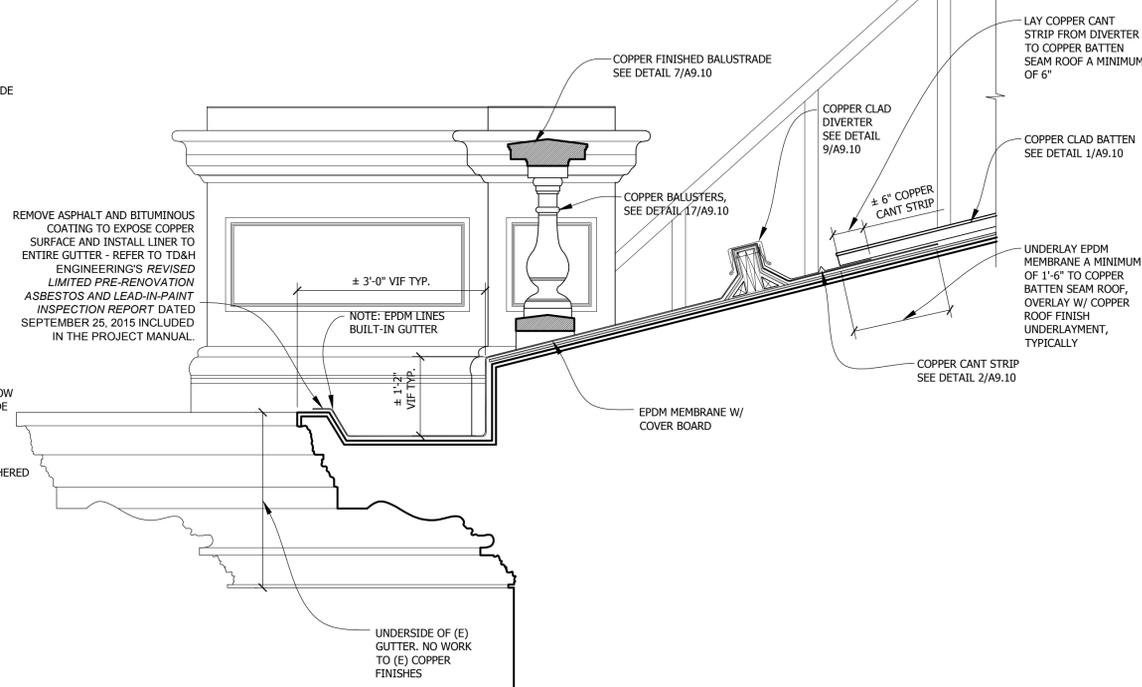
COMPLY WITH HOT WORK PERMIT REQUIREMENTS



**16 PARAPET & BALUSTRADE DETAIL ELEVATION - TYPICALLY**

A2.1 : A4.2

3/4" = 1'-0"



**18 PARAPET DETAIL SECTION**

A2.1 : A4.2

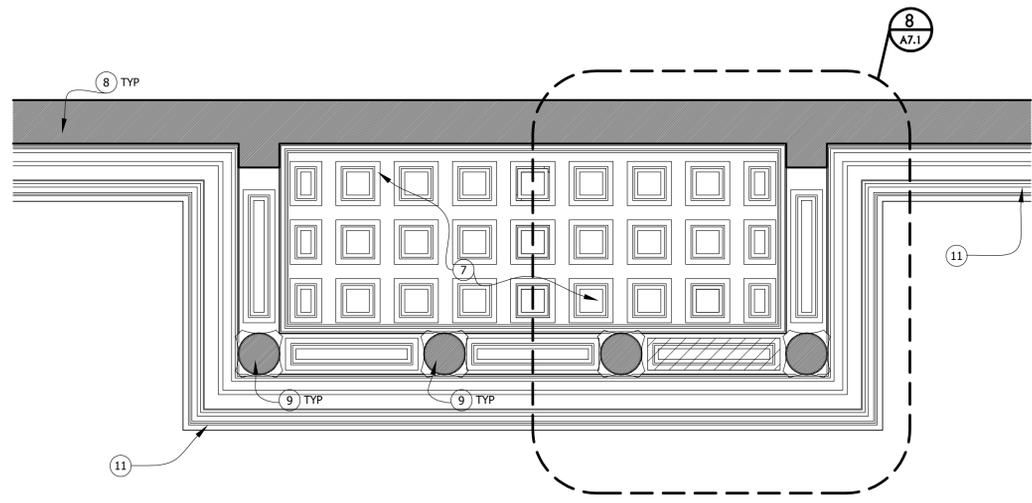
3/4" = 1'-0"

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 CONSTRUCTION PARAPET ELEVATION AND SECTION  
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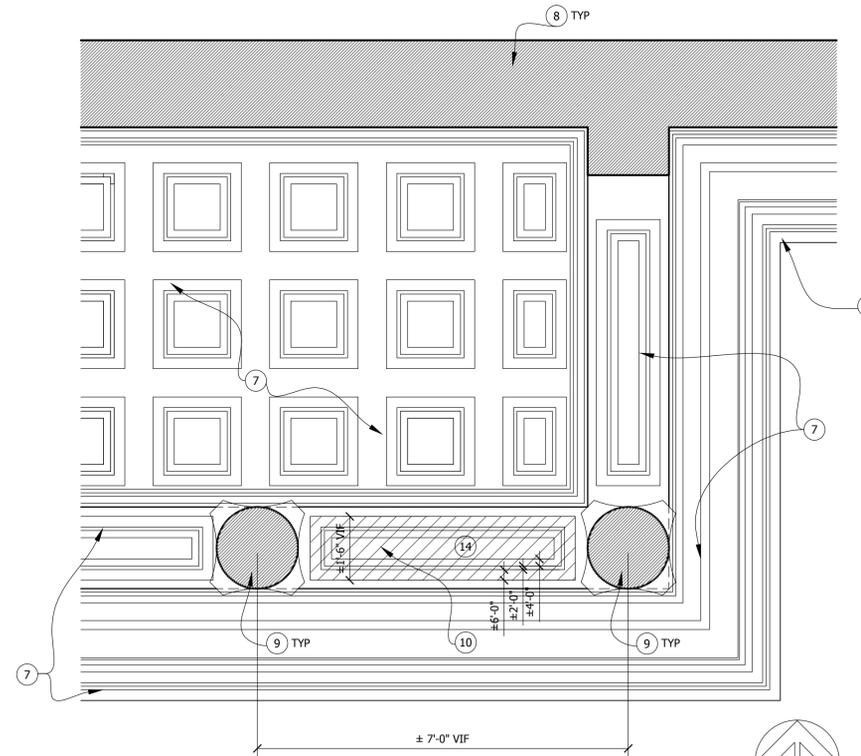
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**A4.2**



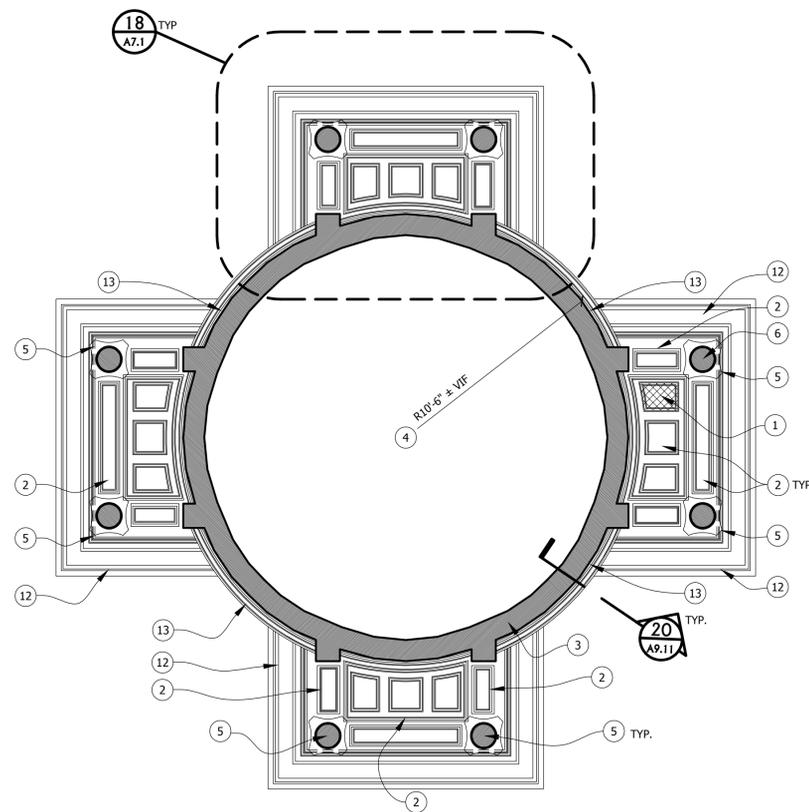
**6 REFLECTED CEILING PLAN: SOUTH ENTRANCE**

A7.1 : A7.1



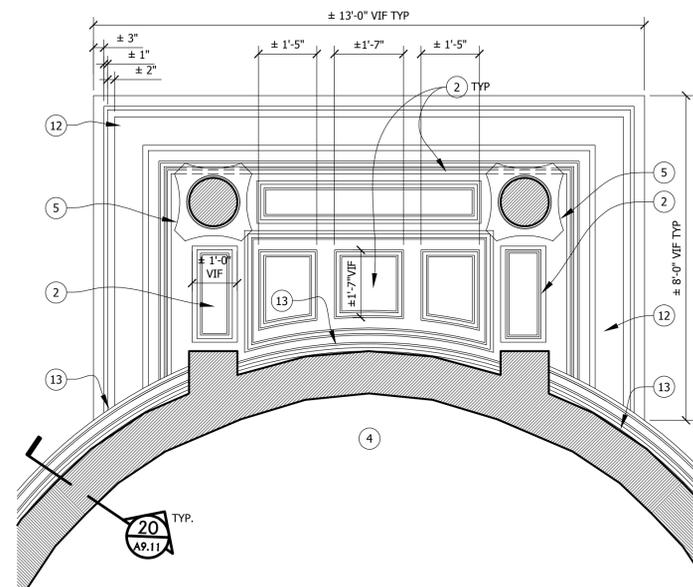
**8 DETAIL: SOUTH ENTRANCE RCP**

A7.1 : A7.1



**16 REFLECTED CEILING PLAN: DOME PORTICO**

A4.1 : A7.1



**18 TYPICAL DETAIL: DOME PORTICO RCP**

A7.1 : A7.1



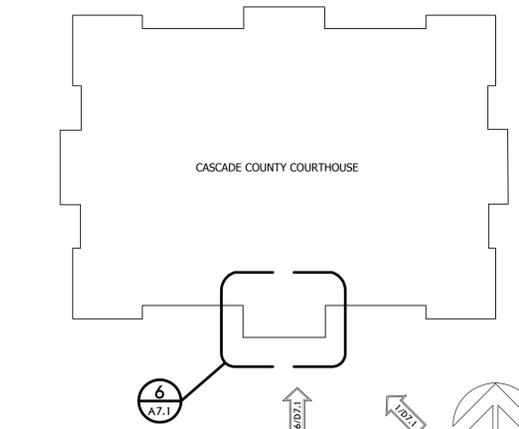
**CONSTRUCTION GENERAL NOTES**

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2. NEW WORK SHALL MATCH (E) CONDITIONS 'IN-KIND' UNLESS NOTED OTHERWISE.
3. ALL SHEET METAL ROOFING AND FLASHING TO BE COPPER UNLESS NOTED OTHERWISE, TYPICALLY
4. PROVIDE SELF-ADHERED ROOFING UNDERLAYMENT FOR HIGH TEMPERATURE APPLICATIONS UNDER COPPER ROOF FINISHES, TYPICALLY
5. PREPARE, PRIME AND REPAINT CAST IRON FINISHES AT DOME, TYPICALLY

**# CONSTRUCTION KEYNOTES**

1	HATCH INDICATES DOME ACCESS LOCATION AND REMOVABLE COPPER CEILING PANEL AT THIS LOCATION. COORDINATE WITH NEW COPPER FINISH.
2	COFFERED COPPER CEILING PANELS TO MATCH IN-KIND TO EXISTING, TYP.
3	(E) DOME BASE AND SANDSTONE
4	(E) DOME ATTIC
5	CAST IRON COLUMNS W/ NEW MORTAR-FILLED CAST IRON CORINTHIAN COLUMN CAPITALS, TYP.
6	(E) MISSING CAST IRON CORINTHIAN COLUMN DETAIL. REPAIR TO MATCH (E) ADJACENT, IN-KIND.
7	(E) COPPER COFFERED CEILING FINISH AT SOUTH ENTRY TO REMAIN, NO WORK.
8	(E) EXTERIOR SANDSTONE ENVELOPE.
9	(E) COLUMN AND CORINTHIAN CAPITAL - NO WORK.
10	HATCH INDICATES EXTENTS OF REPAIRED AND REINSTALLED COPPER COFFERED CEILING PANEL AT SOUTH ENTRY.
11	UNDERSIDE OF (E) COPPER CORNICE AND BUILT-IN GUTTER, NO WORK
12	UNDERSIDE OF COPPER HORIZONTAL CORNICE, NEW COPPER FINISHES TO MATCH IN-KIND TO (E), TYPICALLY
13	COPPER ARCHITRAVE AT BASE OF DOME, NEW COPPER FINISHES TO MATCH IN-KIND TO (E)
14	REMOVE (E) COPPER CEILING PANEL, EXPOSE FRAMING, CLEAN TO REMOVE DEBRIS, REMOVED DAMAGED AND DETERIORATED WOOD BLOCKING AND SHEATHING W/ NEW P.T. WOOD BLOCKING & SHEATHING MATCHING IN-KIND TO (E). REINSTALL SALVAGED COPPER CEILING PANEL LAND DETAIL TO MATCH ADJACENT SOUND COPPER PANELS.

**NOTICE**  
COMPLY WITH HOT WORK PERMIT REQUIREMENTS



**19 REFERENCE PLAN**

NOT TO SCALE



**CONSTRUCTION REFLECTED CEILING PLAN: DOME PORTICO AND SOUTH ENTRY**  
**CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT**  
**BOARD OF COUNTY COMMISSIONERS**  
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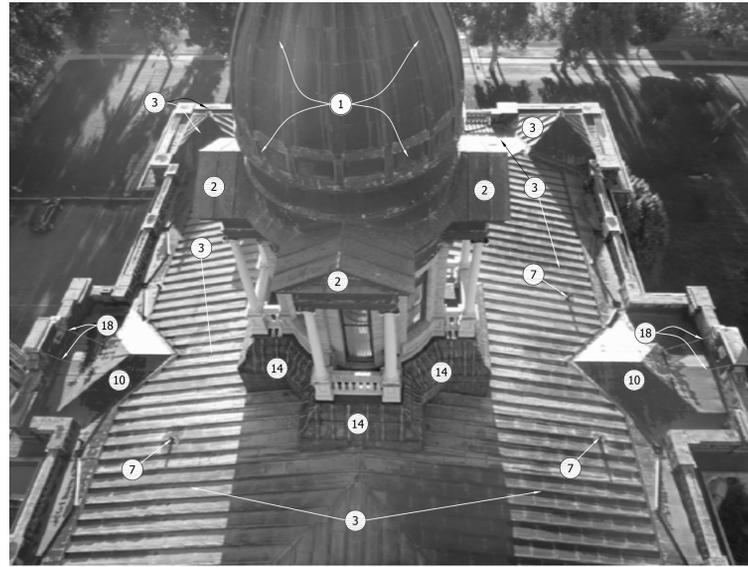
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**A7.1**

## CONSTRUCTION GENERAL NOTES

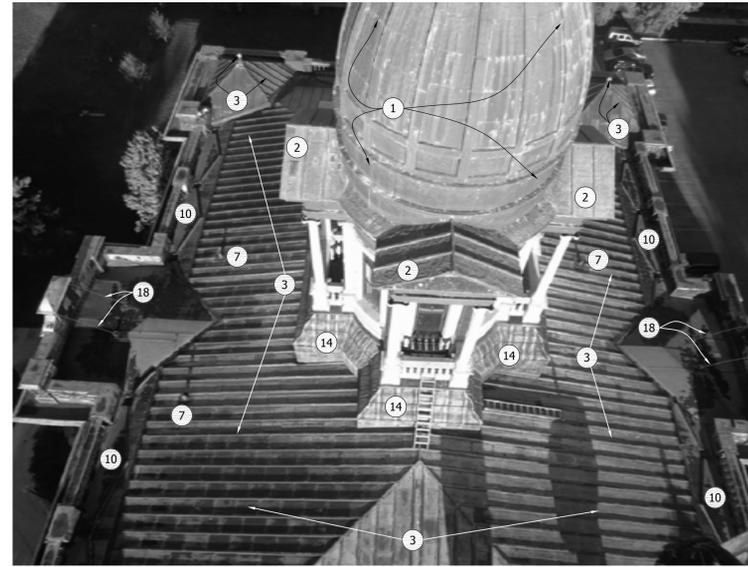
- REMOVE AND REPLACE (E) WATER DAMAGED AND / OR DETERIORATED AND UNSOUND WOOD SUBSTRATES IN-KIND TO (E) SHEATHING TO PROVIDE NEW P.T. WOOD SHEATHING FOR NEW COPPER FINISHES.
- NEW WORK SHALL MATCH (E) DETAIL AND / OR CONDITION 'IN-KIND' UNLESS NOTED OTHERWISE, TYPICALLY.
- ROOFING AND FLASHING TO BE COPPER UNLESS NOTED OTHERWISE, TYPICALLY.
- PROVIDE SELF-ADHERED ROOFING UNDERLAYMENT FOR HIGH TEMPERATURE APPLICATIONS UNDER COPPER FINISHES. PREPARE/PRIME ROOF DECK ACCORDING TO MFR RECOMMENDATIONS.
- REPLACE ALL CAULKING BETWEEN CAST IRON BALUSTRADE AND SANDSTONE DRUM AT THE DRUM PORTICO LEVEL, TYPICALLY. PREP, PRIME AND REPAINT CAST IRON.
- MAINTAIN (E) ROOF DRAINS AND OVERFLOW DRAINS, TYPICALLY.
- SHOP BUILD DECORATIVE COPPER DETAILS TO MATCH IN-KIND TO (E) DETAIL, TYPICALLY. FIELD VERIFY CONDITIONS AND INSTALLATION TO NEW COPPER FINISHES.
- REINSTALL SALVAGED SOUND WOOD BATTENS, PROVIDE NEW TO REPLACE DAMAGED AND OR DETERIORATED W/ P.T. WOOD BATTENS, TYPICALLY.
- PREPARE (E) BUILT-IN GUTTER FOR NEW FULLY ADHERED EPDM MEMBRANE ROOF FINISH, TYPICALLY. COORDINATE WITH (E) GUTTER DRAIN AND OVER-FLOW DRAIN SCHEDULED TO REMAIN AND COPPER CORNICE SCHEDULED TO REMAIN.
- INSTALL COPPER PARAPET FINISHES TO ENCLOSE (E) ABANDONED SKY FACING CHIMNEY OPENINGS, TYPICALLY.
- REFER TO THE SPECIFICATION WHICH INDICATES EXTENTS OF (E) COPPER FINISHES TO BE USED AS A MEANS TO DEMONSTRATE IN-KIND REPLACEMENTS. COORDINATE QUESTIONABLE CONDITIONS W/ THE ARCHITECT.



**6** OVERALL VIEW LOOKING EAST

A2.1 : A9.1

PHOTOGRAPH



**8** OVERALL VIEW LOOKING WEST

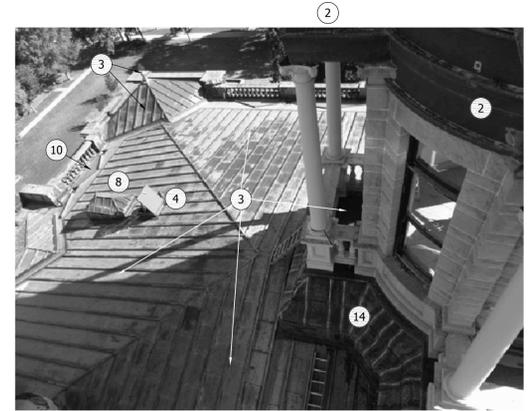
A2.1 : A9.1

PHOTOGRAPH

## # KEYNOTES

- COPPER BATTEN SEAM DOME ROOF FINISH - TYP. REUSE SOUND WOOD BATTENS. FIELD VERIFY CONDITIONS TO MATCH IN-KIND TO (E).
- COPPER PEDIMENT FINISH INCLUDING COPPER TYMPANUM AND HORIZONTAL CORNICE FINISHES. REUSE SOUND WOOD BATTENS. FIELD VERIFY CONDITIONS TO MATCH IN-KIND TO (E).
- COPPER HIP AND PYRAMID ROOF FINISHES. REUSE SOUND WOOD BATTENS, TYPICAL. FIELD VERIFY CONDITIONS TO MATCH IN-KIND TO (E). PROVIDE NEW COPPER FINIALS (FOUR LOCATIONS).
- COPPER FLASHING TO (E) ABANDONED ROOF ACCESS HATCH AND INFILL WOOD FRAMING AND SHEATHING, TYPICALLY.
- (E) SANDSTONE CHIMNEY, REPOINT AND TREAT SANDSTONE FINISHES. COORDINATE NEW COPPER ROOFING, FLASHING, NEW PARAPET COPPER WALL AND CAP FINISHES, TYPICALLY.
- PROTECT IN PLACE "LADY JUSTICE" STATUE TO REMAIN. COORDINATE EXTENT OF NEW WORK.
- COPPER JACK FLASHING AT RISER PIPE, TYPICALLY. COORDINATE WITH NEW COPPER ROOF FINISHES AND BATTENS, TYPICALLY.
- (E) GLASS SKYLIGHT
- COPPER FLASHING AND COPPER WALL FINISH TO (E) SKYLIGHT, TYPICALLY.
- FULLY ADHERED EPDM MEMBRANE AND UNDERLAYMENT, TYPICALLY. EXTEND EPDM MEMBRANE UNDER BOTTOM RAIL OF BALUSTRADE INTO BUILT-IN GUTTER AND EPDM MEMBRANE FINISHES TO BUILT-IN GUTTER, SEAM AS REQUIRED, TYPICALLY. REFERENCE DRAWING SHEET A2.1 CONSTRUCTION ROOF PLAN FOR SCOPE OF WORK.
- (E) ATTIC VENT, COORDINATE FLASHING WITH NEW COPPER ROOF FINISH AND WOOD BATTENS / COPPER BATTEN FLASHING, TYPICALLY.
- COPPER BALUSTERS TO COPPER PARAPET BALUSTRADE, COORDINATE WITH NEW BOTTOM AND TOP BALUSTRADE RAIL COPPER FINISHES AND ADJACENT PARAPET COPPER WALL FINISHES, TYPICALLY.
- COPPER PARAPET WALL AND COPPER PARAPET CAP, SLOPE TO DRAIN TYPICALLY.
- COPPER SINGLE LOCK W/ SOLDERED FLAT SEAM SCROLLS, TYPICALLY. FIELD VERIFY CONDITIONS TO MATCH IN-KIND TO EXIST.
- EXISTING COPPER CORNICE BRACKET AND BELLY BAND TO REMAIN - PROTECT - NO WORK. COORDINATE NEW COPPER ROOFING, FLASHING, NEW PARAPET WALL AND CAP FINISHES, TYPICALLY.
- FULLY ADHERED EPDM MEMBRANE ROOF TO LINE (E) BUILT-IN COPPER GUTTER, TYPICALLY. FIELD COORDINATE WITH (E) BUILT-IN GUTTER DRAINS, OVERFLOW DRAINS AND NEW PARAPET WALL FINISH, TYPICALLY.
- SINGLE LOCK COPPER ROOF FINISH WITH SOLDERING FLAT SEAMS, TYPICALLY. FIELD VERIFY CONDITIONS TO MATCH IN-KIND TO EXIST.
- (E) PARAPET SUPPORT RODS AND ATTACHMENTS, FIELD COORDINATE WITH NEW COPPER ROOF AND PARAPET WALL FINISHES, TYPICALLY.

**NOTICE**  
COMPLY WITH HOT WORK PERMIT REQUIREMENTS



**10** SOUTH EAST VIEW

A2.1 : A9.1

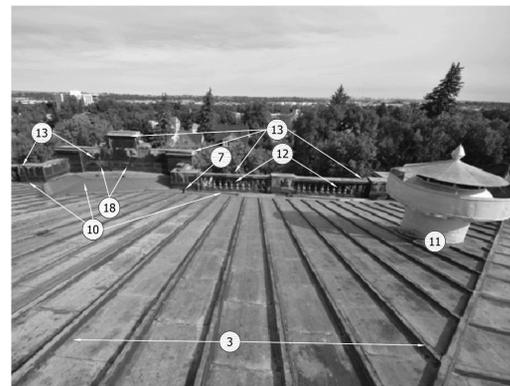
PHOTOGRAPH



**11** MAIN ROOF NORTH VIEW

A2.1 : A9.1

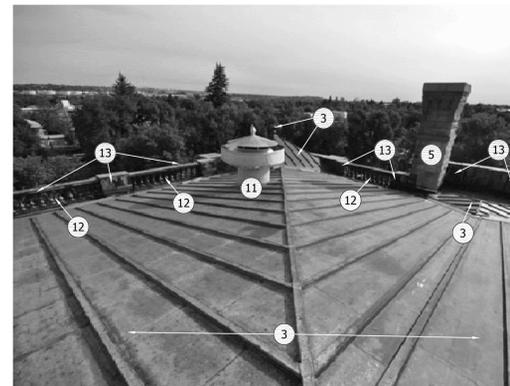
PHOTOGRAPH



**12** MAIN ROOF NORTH VIEW

A2.1 : A9.1

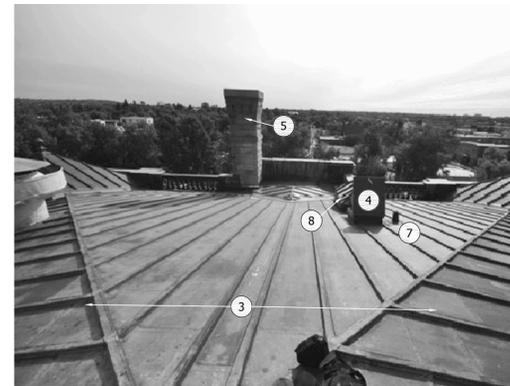
PHOTOGRAPH



**13** MAIN ROOF NE VIEW

A2.1 : A9.1

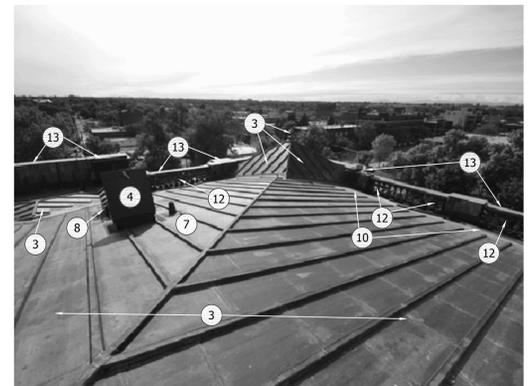
PHOTOGRAPH



**14** MAIN ROOF EAST VIEW

A2.1 : A9.1

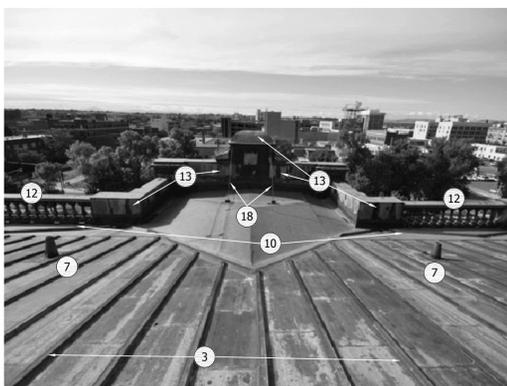
PHOTOGRAPH



**15** MAIN ROOF SE VIEW

A2.1 : A9.1

PHOTOGRAPH



**16** MAIN ROOF SOUTH VIEW

A2.1 : A9.1

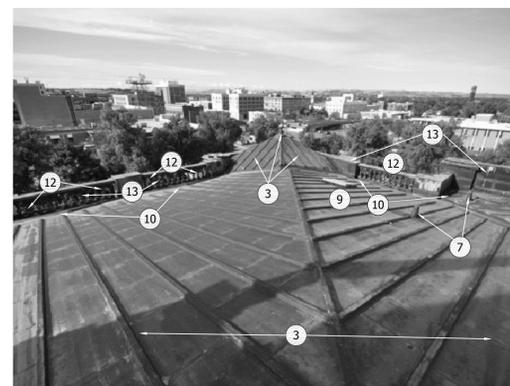
PHOTOGRAPH



**17** MAIN ROOF SOUTH VIEW

A2.1 : A9.1

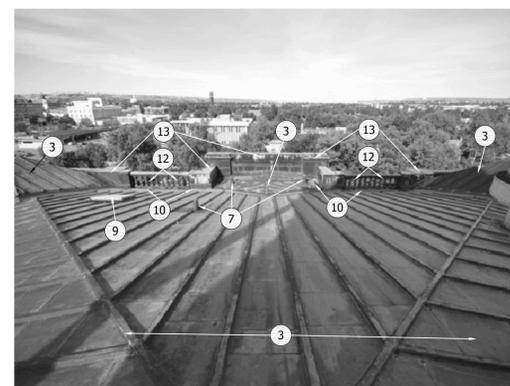
PHOTOGRAPH



**18** MAIN ROOF SW VIEW

A2.1 : A9.1

PHOTOGRAPH



**19** MAIN ROOF WEST VIEW

A2.1 : A9.1

PHOTOGRAPH



**20** MAIN ROOF NW VIEW

A2.1 : A9.1

PHOTOGRAPH

CONSTRUCTION PHOTOGRAPHS: ROOF  
CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
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CASCADE COUNTY COURTHOUSE ANNEX  
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PROJECT

OWNER

PROJECT NO 14036  
ISSUE DATE 3.17.15  
REVISIONS 4.15.15  
10.16.15

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**A9.1**



**1 (E) SKYLIGHT**

A2.1 : A9.2

PHOTOGRAPH



**2 (E) SANDSTONE CHIMNEY**

A2.1 : A9.2

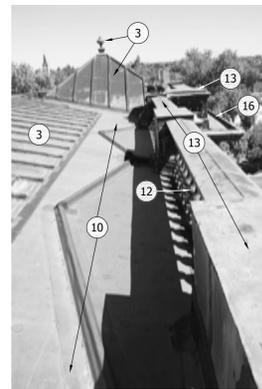
PHOTOGRAPH



**3 (E) BALUSTRADE/PARAPET**

A2.1 : A9.2

PHOTOGRAPH



**4 (E) BALUSTRADE/PARAPET**

A2.1 : A9.2

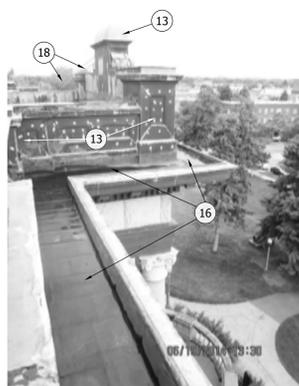
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**5 (E) BALUSTRADE/PARAPET**

A2.1 : A9.2

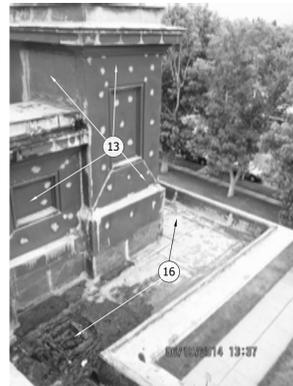
PHOTOGRAPH



**6 (E) PARAPET/CORNICE**

A2.1 : A9.2

PHOTOGRAPH



**7 (E) PARAPET DETAIL**

A2.1 : A9.2

PHOTOGRAPH



**8 (E) PARAPET**

A2.1 : A9.2

PHOTOGRAPH



**9 (E) PARAPET**

A2.1 : A9.2

PHOTOGRAPH



**10 (E) PARAPET**

A2.1 : A9.2

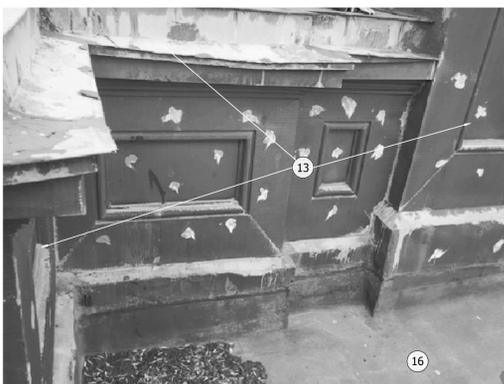
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**11 (E) PARAPET GUTTER**

A2.1 : A9.2

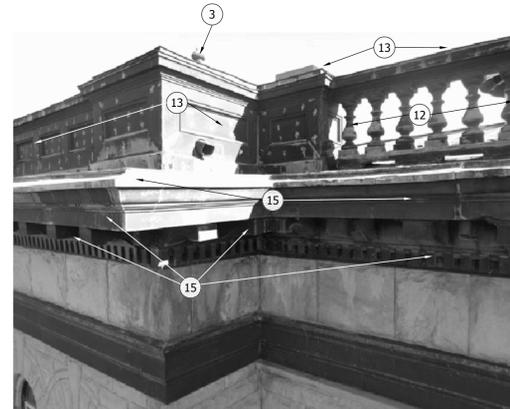
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**12 (E) PARAPET DETAIL**

A2.1 : A9.2

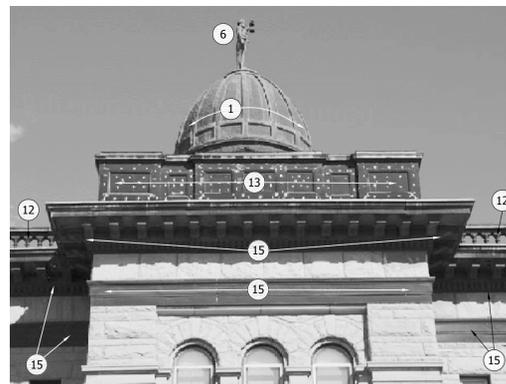
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**13 (E) PARAPET DETAIL**

A2.1 : A9.2

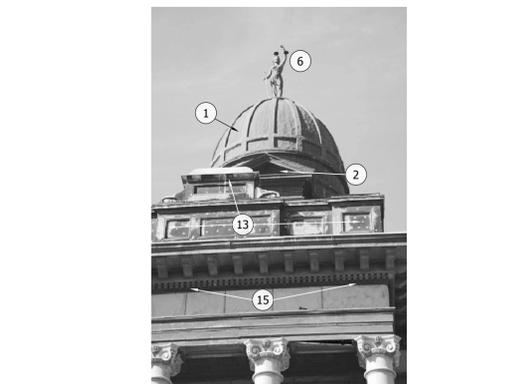
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**14 (E) PARAPET DETAIL**

A2.1 : A9.2

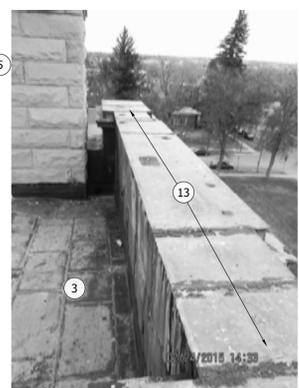
PHOTOGRAPH



**15 (E) PARAPET DETAIL**

A2.1 : A9.2

PHOTOGRAPH



**16 (E) PARAPET DETAIL**

A2.1 : A9.2

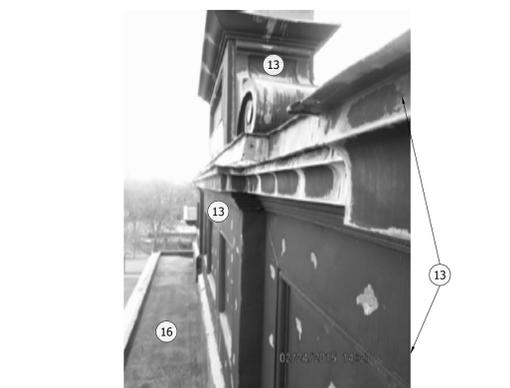
PHOTOGRAPH



**17 (E) PARAPET DETAIL**

A2.1 : A9.2

PHOTOGRAPH



**18 (E) PARAPET DETAIL**

A2.1 : A9.2

PHOTOGRAPH



**19 (E) PARAPET DETAIL**

A2.1 : A9.2

PHOTOGRAPH



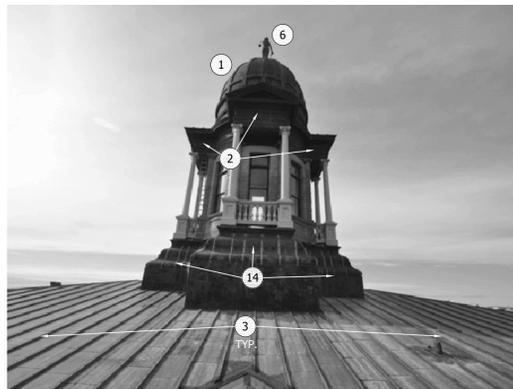
CONSTRUCTION PHOTOGRAPHS: PARAPET, BALUSTRADE, ETC.  
CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
BOARD OF COUNTY COMMISSIONERS  
CASCADE COUNTY COURTHOUSE ANNEX  
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**# GENERAL NOTES & KEYNOTES**  
REFERENCE SHEET A2.1 FOR GENERAL NOTES AND KEYNOTES TAGGED THIS SHEET.



**1** DOME NORTH FACING VIEW

A2.1 : A9.3 PHOTOGRAPH



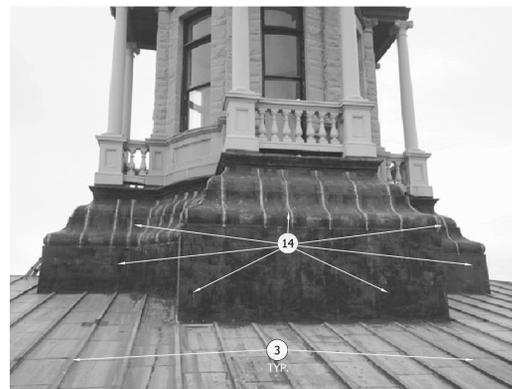
**2** DOME NORTH FACING VIEW

A2.1 : A9.3 PHOTOGRAPH



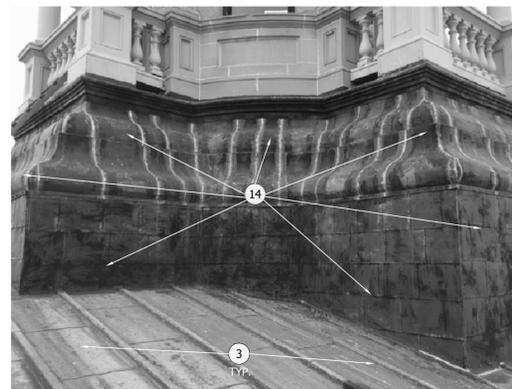
**3** DOME NE FACING VIEW

A2.1 : A9.3 PHOTOGRAPH



**4** DOME NE FACING VIEW

A2.1 : A9.3 PHOTOGRAPH



**5** DOME NE FACING VIEW

A2.1 : A9.3 PHOTOGRAPH



**6** DOME EAST FACING VIEW

A2.1 : A9.3 PHOTOGRAPH



**7** DOME EAST FACING VIEW

A2.1 : A9.3 PHOTOGRAPH



**8** DOME SE FACING VIEW

A2.1 : A9.3 PHOTOGRAPH



**9** DOME SE FACING VIEW

A2.1 : A9.3 PHOTOGRAPH



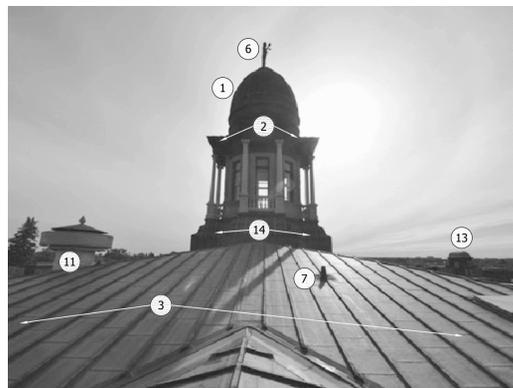
**10** DOME SOUTH FACING VIEW

A2.1 : A9.3 PHOTOGRAPH



**11** DOME SW FACING VIEW

A2.1 : A9.3 PHOTOGRAPH



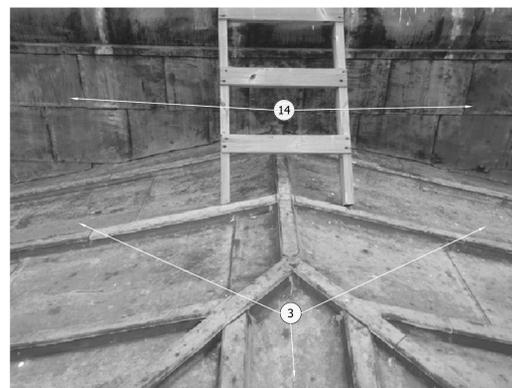
**12** DOME WEST FACING VIEW

A2.1 : A9.3 PHOTOGRAPH



**13** DOME NW FACING VIEW

A2.1 : A9.3 PHOTOGRAPH



**14** DOME BASE DETAIL

A2.1 : A9.3 PHOTOGRAPH



**15** DOME BASE DETAIL

A2.1 : A9.3 PHOTOGRAPH



**16** DOME BASE DETAIL (INSIDE)

A2.1 : A9.3 PHOTOGRAPH



**17** DOME BASE DETAIL (INSIDE)

A2.1 : A9.3 PHOTOGRAPH



**18** DOME BASE DETAIL (INSIDE)

A2.1 : A9.3 PHOTOGRAPH



**19** DOME BASE DETAIL

A2.1 : A9.3 PHOTOGRAPH

**#** GENERAL NOTES & KEYNOTES

REFERENCE SHEET A2.1 FOR GENERAL NOTES AND KEYNOTES TAGGED THIS SHEET.



CONSTRUCTION PHOTOGRAPHS: DOME  
CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT  
BOARD OF COUNTY COMMISSIONERS  
CASCADE COUNTY COURTHOUSE ANNEX  
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**A9.3**



**1** PEDIMENT DETAIL

A2.1 : A9.4 PHOTOGRAPH



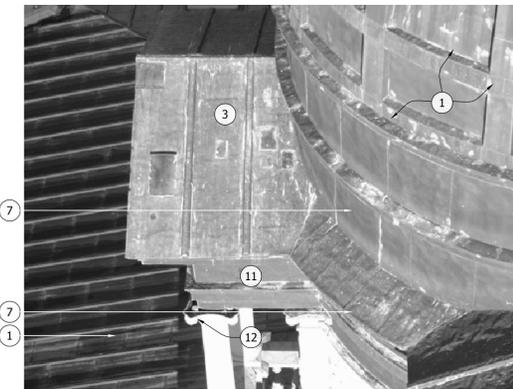
**2** PEDIMENT DETAIL

A2.1 : A9.4 PHOTOGRAPH



**8** DOME DETAIL

A2.1 : A9.4 PHOTOGRAPH



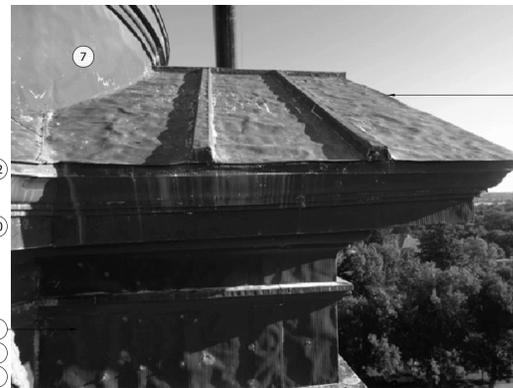
**5** PEDIMENT DETAIL

A2.1 : A9.4 PHOTOGRAPH



**6** PEDIMENT/CAST IRON COLS.

A2.1 : A9.4 PHOTOGRAPH



**7** PEDIMENT DETAIL

A2.1 : A9.4 PHOTOGRAPH



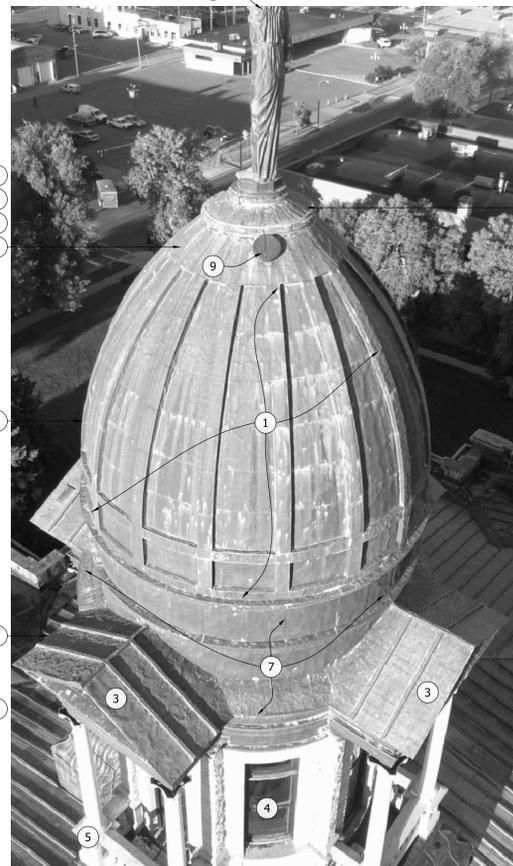
**15** DOME DETAIL

A2.1 : A9.4 PHOTOGRAPH



**16** CAST IRON BALUSTRADE

A2.1 : A9.4 PHOTOGRAPH



**17** DOME DETAIL

A2.1 : A9.4 PHOTOGRAPH



**18** DOME DETAIL

A2.1 : A9.4 PHOTOGRAPH



**19** DOME DETAIL

A2.1 : A9.4 PHOTOGRAPH

**NOTICE**

COMPLY WITH HOT WORK PERMIT REQUIREMENTS

**# KEYNOTES**

- ① COPPER BATTEN SEAM ROOF FINISH - TYP. FIELD COORDINATE TO MATCH IN-KIND TO (E) CONDITIONS. REUSE SOUND WOOD BATTENS.
- ② COPPER SINGLE LOCK W/ SOLDERED FLAT SEAM SCROLLS, TYPICALLY. FIELD VERIFY TO MATCH IN-KIND TO EXIST CONDITIONS.
- ③ COPPER PEDIMENT FINISH INCLUDING COPPER TYMPANUM AND HORIZONTAL CORNICE FINISHES. REUSE SOUND WOOD BATTENS.
- ④ REPLACE (E) WOOD DOUBLE HUNG WINDOW SASH, TYP. FIELD COORDINATE AS REQUIRED TO MATCH IN-KIND TO (E) CONDITIONS.
- ⑤ (E) CAST IRON BALUSTRADE AND COLUMNS, TYP. REPAIR AS REQ TO MATCH IN-KIND TO (E) CONDITIONS, PREP, PRIME AND PAINT.
- ⑥ (E) SANDSTONE DRUM, NO WORK, TYP. U.N.O.
- ⑦ COPPER DRUM FLASHING, FIELD COORDINATE TO MATCH IN-KIND TO (E) CONDITIONS.
- ⑧ "LADY JUSTICE" COPPER STATUE, FIELD COORD. W/ COPPER ROOF REPLACEMENT, TYPICALLY.
- ⑨ COPPER DOME ACCESS LID, FIELD COORDINATE TO MATCH IN-KIND TO (E) CONDITIONS.
- ⑩ COPPER COFFERED CEILING PANELS AT PEDIMENTS, FIELD COORDINATE TO MATCH IN-KIND TO (E) CONDITIONS.
- ⑪ COPPER TYMPANUM, FIELD COORDINATE TO MATCH IN-KIND TO (E) CONDITIONS.
- ⑫ GROUT FILL CORINTHIAN COLUMN CAPITOLS, SLOPE GROUT TO SHED WATER AWAY FROM CAST IRON COLUMN.



DRAWING CONSTRUCTION PHOTOGRAPHS: DOME CONT'D

PROJECT CASCADE COUNTY COURTHOUSE, COPPER ROOF REPLACEMENT

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CASCADE COUNTY COURTHOUSE ANNEX  
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**A9.4**



CONSTRUCTION PHOTOGRAPHS: CAST IRON  
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A9.5



**1** NORTH CAST IRON  
A3.2 : A9.5 PHOTOGRAPH



**2** NORTH CAST IRON  
A3.2 : A9.5 PHOTOGRAPH



**3** NORTH CAST IRON  
A3.2 : A9.5 PHOTOGRAPH



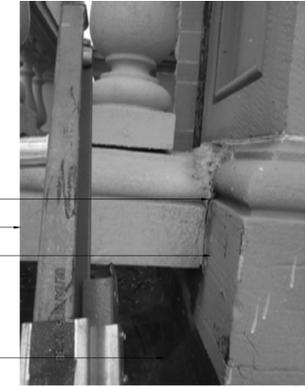
**4** NORTH CAST IRON  
A3.2 : A9.5 PHOTOGRAPH



**6** NORTH CAST IRON  
A3.2 : A9.5 PHOTOGRAPH



**7** NORTH CAST IRON  
A3.2 : A9.5 PHOTOGRAPH



**8** NORTH CAST IRON  
A3.2 : A9.5 PHOTOGRAPH



**9** EAST CAST IRON  
A3.2 : A9.5 PHOTOGRAPH



**11** EAST CAST IRON  
A3.2 : A9.5 PHOTOGRAPH



**12** EAST CAST IRON (NORTH COL)  
A3.2 : A9.5 PHOTOGRAPH



**13** EAST CAST IRON  
A3.2 : A9.5 PHOTOGRAPH



**14** EAST CAST IRON (NORTH COL)  
A3.2 : A9.5 PHOTOGRAPH



**16** EAST CAST IRON  
A3.2 : A9.5 PHOTOGRAPH



**17** EAST CAST IRON  
A3.2 : A9.5 PHOTOGRAPH

#	CAST IRON KEYNOTES
1	CAULK AND SEAL JOINTS BETWEEN CAST IRON AND SANDSTONE, TYP. PREP SURFACES FOR NEW PAINT FINISH WORK, TYP.
2	(E) CAST IRON BALUSTRADE & COLUMN, PREP, PRIME AND PAINT
3	(E) SANDSTONE CHIMNEY TO REMAIN, REPOINT. COORDINATE NEW COPPER ROOFING, FLASHING, NEW PARAPET WALL AND CAP FINISHES, TYPICALLY.
4	FULLY ADHERED EPDM MEMBRANE AND UNDERLAYMENT, TYPICALLY. EXTEND EPDM MEMBRANE UNDER BOTTOM RAIL OF BALUSTRADE, SEAM AS REQUIRED, TYP.
5	REASSEMBLE DISPLACED CAST IRON BALUSTRADE AT EAST AND WEST SIDES OF SOUTH FACING BALCONY, TYP. FIELD VERIFY TO MATCH IN-KIND TO EXISTING CONDITIONS. PREP, PRIME AND PAINT.
6	REASSEMBLE DISPLACED CAST IRON DIE AND BALUSTRADE, REMOVE CAULK TYP. FIELD VERIFY TO MATCH IN-KIND TO EXISTING CONDITIONS. PREP, PRIME AND PAINT.
7	COPPER COFFERED CEILING PANELS AT PEDIMENTS, FIELD COORDINATE TO MATCH IN-KIND TO (E) CONDITIONS.
8	REASSEMBLE WEST CAST IRON BALUSTRADE AT BOTTOM RAIL AFTER STONE RESTORATION WORK IS COMPLETE, TYP. FIELD VERIFY TO MATCH IN-KIND TO EXISTING CONDITIONS. PREP, PRIME AND PAINT.



**1 SOUTH CAST IRON**  
A3.2 : A9.6 PHOTOGRAPH



**2 SOUTH CAST IRON**  
A3.2 : A9.6 PHOTOGRAPH



**3 SOUTH CAST IRON**  
A3.2 : A9.6 PHOTOGRAPH



**4 SOUTH CAST IRON**  
A3.2 : A9.6 PHOTOGRAPH



**6 SOUTH CAST IRON**  
A3.2 : A9.6 PHOTOGRAPH



**8 WEST CAST IRON**  
A3.2 : A9.6 PHOTOGRAPH



**9 WEST CAST IRON**  
A3.2 : A9.6 PHOTOGRAPH



**10 WEST CAST IRON**  
A3.2 : A9.6 PHOTOGRAPH

**# CAST IRON KEYNOTES**

- ① CAULK AND SEAL JOINTS BETWEEN CAST IRON AND SANDSTONE, TYP. PREP SURFACES FOR NEW PAINT FINISH WORK, TYP.
- ② (E) CAST IRON BALUSTRADE & COLUMN, PREP, PRIME AND PAINT
- ③ (E) SANDSTONE CHIMNEY TO REMAIN, REPOINT. COORDINATE NEW COPPER ROOFING, FLASHING, NEW PARAPET WALL AND CAP FINISHES, TYPICALLY.
- ④ FULLY ADHERED EPDM MEMBRANE AND UNDERLAYMENT, TYPICALLY. EXTEND EPDM MEMBRANE UNDER BOTTOM RAIL OF BALUSTRADE, SEAM AS REQUIRED, TYP.
- ⑤ REASSEMBLE DISPLACED CAST IRON BALUSTRADE AT EAST AND WEST SIDES OF SOUTH FACING BALCONY, TYP. FIELD VERIFY TO MATCH IN-KIND TO EXISTING CONDITIONS. PREP, PRIME AND PAINT.
- ⑥ REASSEMBLE DISPLACED CAST IRON DIE AND BALUSTRADE, REMOVE CAULK TYP. FIELD VERIFY TO MATCH IN-KIND TO EXISTING CONDITIONS. PREP, PRIME AND PAINT.
- ⑦ COPPER COFFERED CEILING PANELS AT PEDIMENTS, FIELD COORDINATE TO MATCH IN-KIND TO (E) CONDITIONS.
- ⑧ REASSEMBLE WEST CAST IRON BALUSTRADE AT BOTTOM RAIL AFTER STONE RESTORATION WORK IS COMPLETE, TYP. FIELD VERIFY TO MATCH IN-KIND TO EXISTING CONDITIONS. PREP, PRIME AND PAINT.

CONSTRUCTION PHOTOGRAPHS: CAST IRON CONT'D  
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ISSUE DATE	3.17.15
REVISIONS	4.15.15
	10.16.15

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**1** EPDM MEMBRANE DIVERTERS

A2.1 : A9.7 PHOTOGRAPH



**2** TYP. DRAIN / DIVERTER

A2.1 : A9.7 PHOTOGRAPH



**3** COPPER PYRAMID ROOF

A2.1 : A9.7 PHOTOGRAPH



**4** COPPER FINIAL DETAIL

A2.1 : A9.7 PHOTOGRAPH



**6** COPPER PYRAMID DETAIL

A2.1 : A9.7 PHOTOGRAPH



**7** COPPER PYRAMID DETAIL

A2.1 : A9.7 PHOTOGRAPH



**8** COPPER PYRAMID DETAIL

A2.1 : A9.7 PHOTOGRAPH



**9** NORTH DORMER

A2.1 : A9.7 PHOTOGRAPH



**11** EAST DORMER W/ CHIMNEY

A2.1 : A9.7 PHOTOGRAPH



**12** EAST DORMER DETAIL

A2.1 : A9.7 PHOTOGRAPH



**13** SOUTH DORMER

A2.1 : A9.7 PHOTOGRAPH



**14** SOUTH DORMER

A2.1 : A9.7 PHOTOGRAPH



**16** SOUTH DORMER DETAIL

A2.1 : A9.7 PHOTOGRAPH



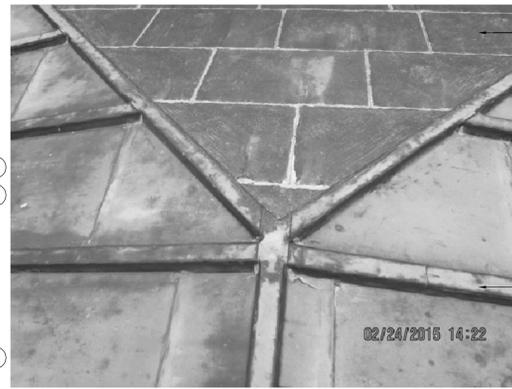
**17** SOUTH DORMER DETAIL

A2.1 : A9.7 PHOTOGRAPH



**18** WEST DORMER

A2.1 : A9.7 PHOTOGRAPH



**19** WEST DORMER DETAIL

A2.1 : A9.7 PHOTOGRAPH

**# KEYNOTES**

- ① FULLY ADHERED EPDM MEMBRANE AND UNDERLAYMENT, TYPICALLY. EXTEND EPDM MEMBRANE UNDER BOTTOM RAIL OF BALUSTRADE INTO BUILT-IN GUTTER AND EPDM MEMBRANE FINISHES TO BUILT-IN GUTTER, SEAM AS REQUIRED, TYPICALLY. REF A2.1 CONSTRUCTION ROOF PLAN FOR SCOPE OF WORK.
- ② COPPER FINIAL, TYPICALLY AT HIP ROOF, MATCH IN-KIND TO (E)
- ③ SINGLE LOCK COPPER ROOF FINISH WITH SOLDERING FLAT SEAMS, TYPICALLY. FIELD VERIFY CONDITIONS TO MATCH IN-KIND TO EXIST.
- ④ COPPER SEAM AND BATTEN ROOF FINISH TO MATCH IN-KIND TO EXISTING. INSTALL TO PREPARED SUBSTRATE, TYPICALLY. REUSE EXISTING SOUND WOOD BATTENS, PROVIDE NEW P.T. WOOD BATTENS AS REQUIRED, TYPICALLY.
- ⑤ COPPER PARAPET CAP, SLOPE TO DRAIN TYPICALLY. COPPER PARAPET WALL PANEL FINISH TO MATCH IN-KIND TO EXISTING.
- ⑥ (E) ROOF DRAIN, COORDINATE WITH NEW WOOD BATTENS, EPDM MEMBRANE ROOF, AND COPPER ROOF FINISHES, TYPICALLY.
- ⑦ CUSTOM SHOP BUILT COPPER DECORATIVE DETAIL TO MATCH IN-KIND TO EXISTING. BLIND-SOLDER ALL SEAMS, TYPICALLY. COORDINATE INSTALLATION WITH EXISTING CONDITIONS AND NEW COPPER CAP, TYPICALLY.



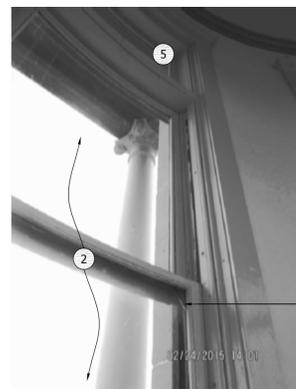
CONSTRUCTION PHOTOGRAPHS: ROOF  
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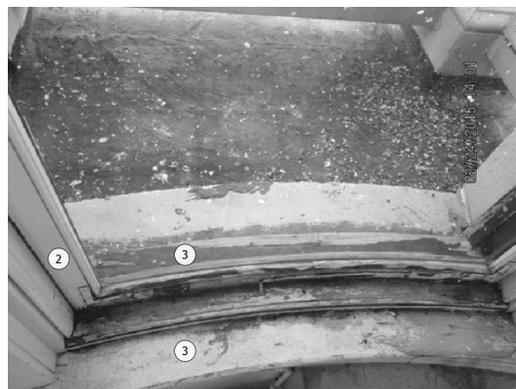
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**A9.7**



**1** NORTH WINDOW

A3.2 : A9.8 PHOTOGRAPH



**2** NORTH WINDOW

A3.2 : A9.8 PHOTOGRAPH



**3** NORTHEAST WINDOW

A3.2 : A9.8 PHOTOGRAPH



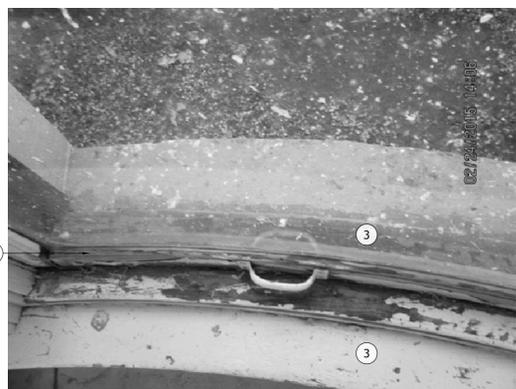
**4** EAST WINDOW

A3.2 : A9.8 PHOTOGRAPH



**6** EAST WINDOW

A3.2 : A9.8 PHOTOGRAPH



**7** EAST WINDOW

A3.2 : A9.8 PHOTOGRAPH



**8** EAST WINDOW

A3.2 : A9.8 PHOTOGRAPH



**9** SOUTHEAST WINDOW

A3.2 : A9.8 PHOTOGRAPH



**11** SOUTHEAST WINDOW

A3.2 : A9.8 PHOTOGRAPH

#	KEYNOTES
①	NEW CURVED GLAZING TO REPLACE DAMAGED GLAZING, MATCH IN-KIND TO EXISTING CONDITION.
②	WOOD DOUBLE HUNG FIXED WINDOW SASH, TYPICALLY. COORDINATE WITH SALVAGED AND NEW CURVED GLASS AND EXISTING CONDITIONS.
③	REPAIR AND REFINISH WOOD SILL STOPS, JAMB, FRAME AND STOOL TYP., PRIME AND PAINT
④	REPAIR AND REFINISH (E) INTERIOR WOOD TRIM, SILL, STOOL, STOPS AND FRAME, PRIME AND PAINT, TYPICALLY
⑤	(E) TRANSOM WINDOW AND FRAME - SCRAPE, SAND PRIME AND PAINT, TYPICALLY. MATCH EXISTING PAINT COLOR.

CONSTRUCTION PHOTOGRAPHS: DOME WINDOWS  
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**1** SOUTH WINDOW

A3.2 : A9.9 PHOTOGRAPH



**2** SOUTH WINDOW

A3.2 : A9.9 PHOTOGRAPH



**3** SOUTHWEST WINDOW

A3.2 : A9.9 PHOTOGRAPH



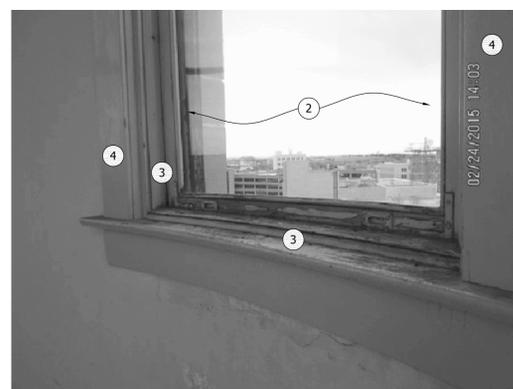
**4** SOUTHWEST WINDOW

A3.2 : A9.9 PHOTOGRAPH



**6** SOUTHWEST WINDOW

A3.2 : A9.9 PHOTOGRAPH



**7** SOUTHWEST WINDOW

A3.2 : A9.9 PHOTOGRAPH



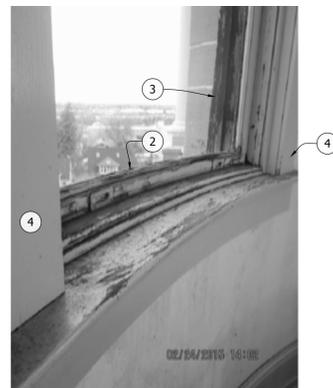
**8** WEST WINDOW

A3.2 : A9.9 PHOTOGRAPH



**9** WEST WINDOW

A3.2 : A9.9 PHOTOGRAPH



**11** NORTHWEST WINDOW

A3.2 : A9.9 PHOTOGRAPH



**12** NORTHWEST WINDOW

A3.2 : A9.9 PHOTOGRAPH

**# KEYNOTES**

- ① NEW CURVED GLAZING TO REPLACE DAMAGED GLAZING, MATCH IN-KIND TO EXISTING CONDITION.
- ② WOOD DOUBLE HUNG FIXED WINDOW SASH, TYPICALLY. COORDINATE WITH SALVAGED AND NEW CURVED GLASS AND EXISTING CONDITIONS.
- ③ REPAIR AND REFINISH WOOD SILL STOPS, JAMB, FRAME AND STOOL TYP., PRIME AND PAINT
- ④ REPAIR AND REFINISH (E) INTERIOR WOOD TRIM, SILL, STOOL, STOPS AND FRAME, PRIME AND PAINT, TYPICALLY
- ⑤ (E) TRANSOM WINDOW AND FRAME - SCRAPE, SAND PRIME AND PAINT, TYPICALLY. MATCH EXISTING PAINT COLOR.

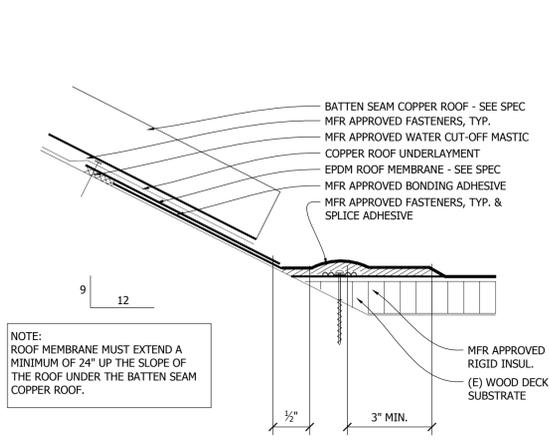
CONSTRUCTION PHOTOGRAPHS: DOME WINDOWS CONT'D  
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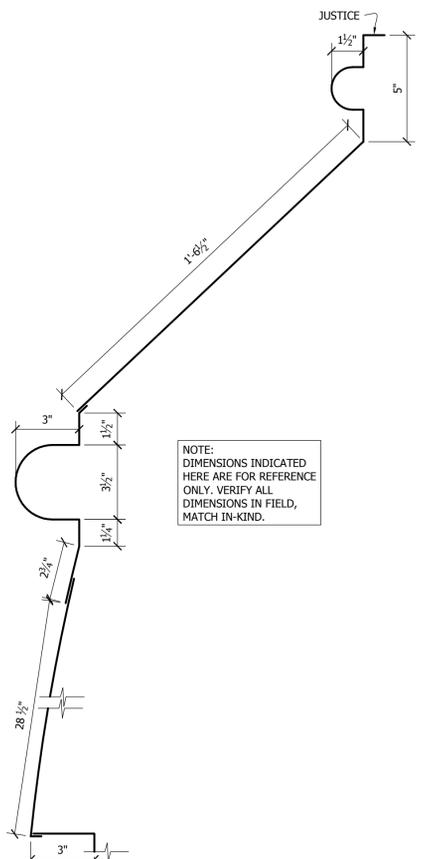




NOTE:  
ROOF MEMBRANE MUST EXTEND A MINIMUM OF 24" UP THE SLOPE OF THE ROOF UNDER THE BATTEN SEAM COPPER ROOF.

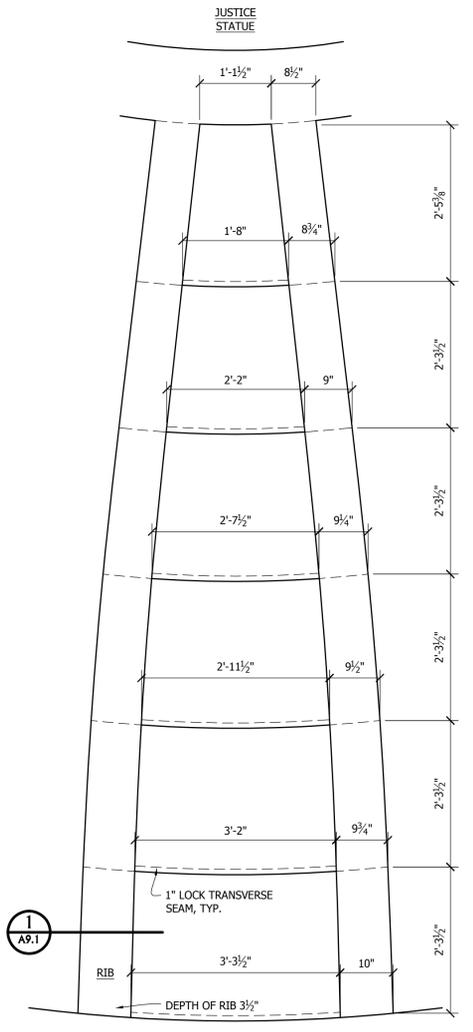
# 1 TYPICAL DETAIL

A2.1 : A9.11 3" = 1'-0"



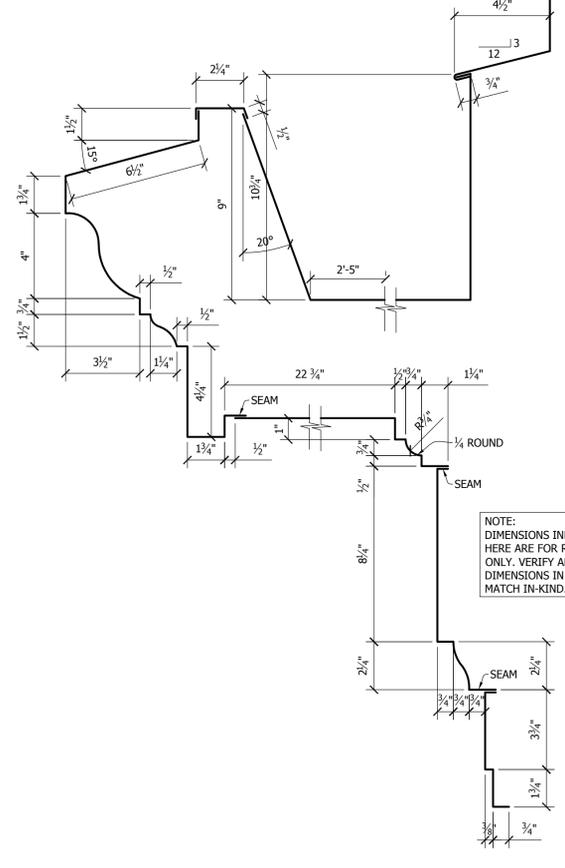
# 7 COPPER DOME TOP

A4.1 : A9.11 3" = 1'-0"



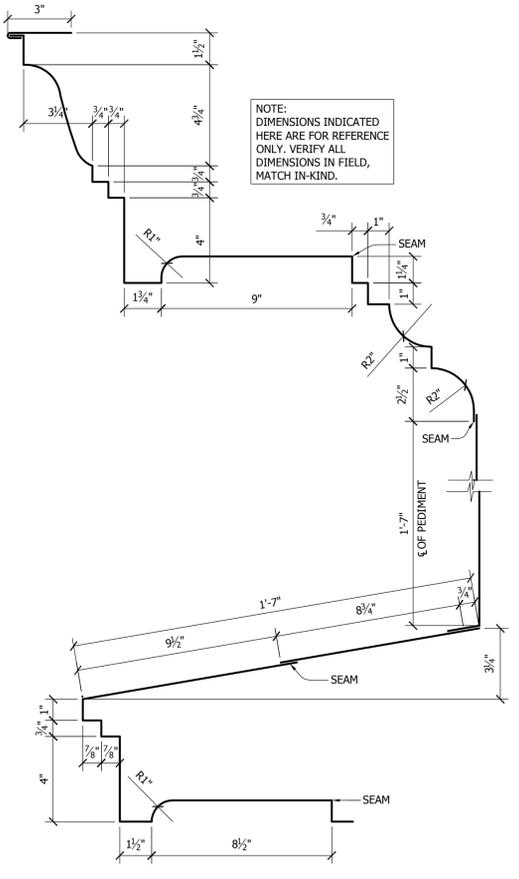
# 16 COPPER DOME PANELS

A4.1 : A9.11 3/4" = 1'-0"



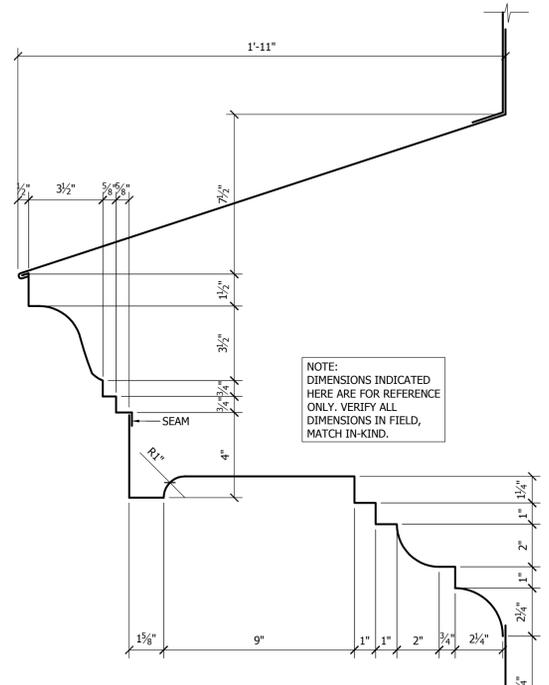
# 17 COPPER BUILT-IN GUTTER (EAST SIDE)

A4.1 : A9.11 3" = 1'-0"



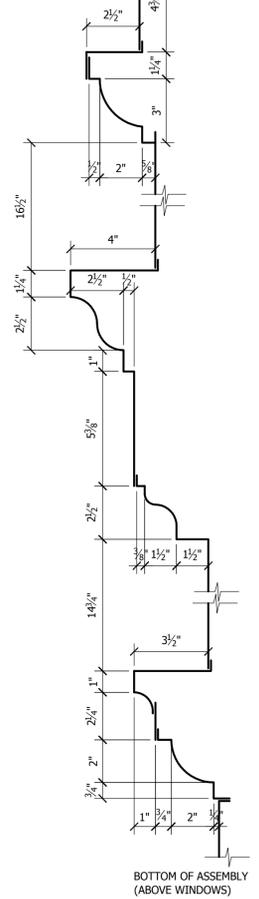
# 18 COPPER PEDIMENT RAKE FLASHING

A4.1 : A9.11 3" = 1'-0"



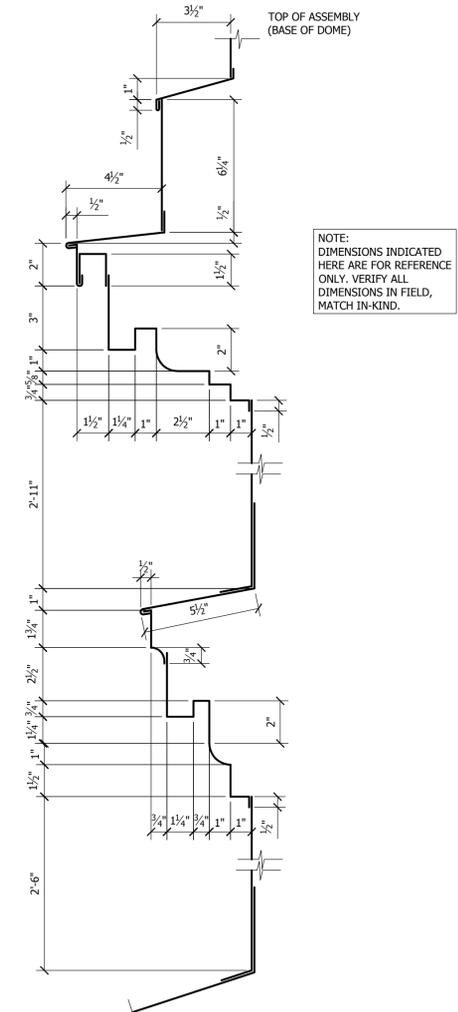
# 19 COPPER DRUM FLASHING

A4.1 : A9.11 3" = 1'-0"



# 20 COPPER ARCHITRAVE FLASHING

A4.1 : A9.11 3" = 1'-0"



**FLASHING DETAILS**  
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**A9.11**