



UNITED STATES DEPARTMENT OF STATE
OFFICE OF OVERSEAS BUILDINGS OPERATIONS

ROOF REPLACEMENT
for
U.S. EMBASSY
CHIEF OF MISSION RESIDENCE
LIMA, PERU

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Drawing Title COVER SHEET		
OBO Project Number	Drawing Scale	Phase
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CADD File Name	CADD Plot Scale	<input type="checkbox"/> CONCEPT <input type="checkbox"/> 30% <input type="checkbox"/> 60% <input checked="" type="checkbox"/> 90% <input type="checkbox"/> 100% <input type="checkbox"/> FINAL
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Checked By	SJB		
Project Number	655243		
Classification	UNCLASSIFIED		

1 2 3 4 5 6 7 8 9 10 11 12 13 14

STANDARD LEGEND

NOTE: NOT ALL SYMBOLS NECESSARILY USED

	ROOF EDGE
	EXPANSION JOINT
	PARAPET
	RIDGE LINE
	CONDUIT
	CRICKET
	ROOF RIDGE/HIP
	FENCE
	RAILING
	CHIMNEY
	FAN
	ACCESS HATCH
	SKYLIGHT
	HYDRONIC PIPING VALVE STATION
	GRAVITY VENT
	ROOF TOP MECHANICAL UNIT
	MAIN ENTRANCE
	HOT PIPE
	PIPE PENETRATION
	VENT PIPE
	LIGHT
	POURABLE SEALER POCKET
	ROOF DRAIN
	SCUPPER WITH CONDUCTOR HEAD
	STRUCTURAL SLOPE
	ANTENNA
	CONDENSER UNIT
	ROOF LEVEL ELECTRICAL JUNCTION BOX

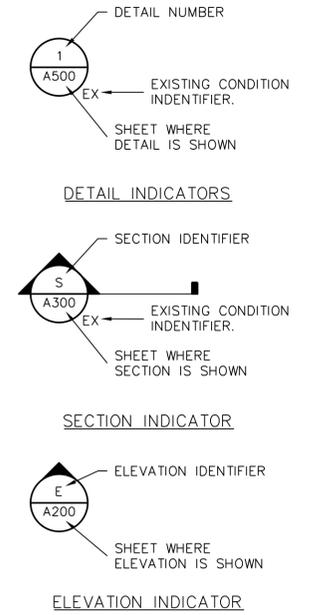
STANDARD ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS NECESSARILY USED

AIR CONDITIONER UNIT	AC
AREA DRAIN	AD
ALUMINUM	AL
BASE FLASHING	BF
BUILDING	BLDG
BRICK MASONRY UNIT	BMU
BUILT-UP ROOFING	BUR
COUNTERFLASHING	CF
CLADDING	CLDG
CLEAT	CLT
CONCRETE MASONRY UNIT	CMU
CONCRETE	CONC
CONTINUOUS	CONT
COVER	CV
CEMENTITIOUS WOOD FIBERBOARD	CWF
DOWNSPOUT	DS
ELEVATION	EL
ETHYLENE PROPYLENE DIENE MONOMER	EPDM
EQUAL	EQ
EXTERIOR INSULATION FINISH SYSTEM	EIFS
EXPANSION JOINT	EJ
EXISTING	EX
EXTERIOR	EXT
FIRE RETARDANT TREATED FASTENER	FSTNR
FOOT	FT
GLAZING	GL
GYP SUM	GYP
INCH	IN
INTERIOR	INT
INSULATION	INSUL
LADDER	LAD
LIGHTNING	LTNG
LIGHTWEIGHT	LT WT
LIGHTWEIGHT CONCRETE	LWC
MAXIMUM	MAX
MECHANICAL	MECH
MEMBRANE	MEMB
MINIMUM	MIN
METAL	MTL
NOT APPLICABLE	NA
NOT IN CONTRACT	NIC
NUMBER	NO
NOMINAL	NOM
NOT TO SCALE	NTS
ON CENTER	O.C.
OPPOSITE HAND	OH
PLYWOOD	PLYWD
ROOF DRAIN	RD
ROUGH OPENING	RO
ROOF TOP UNIT	RTU
SELF-ADHERING MODIFIED BITUMEN	SAMB
SIMILAR	SIM
SLEEVE	SLV
SHEET METAL	SM
STANDING SEAM (ROOF)	SS
STAINLESS STEEL	SST
STEEL	STL
STRUCTURAL	STRUCT
TYPICAL	TYP
VERIFY IN FIELD	VIF
WOOD	WD
WINDOW	WDW
WOODFIBER BOARD	WF

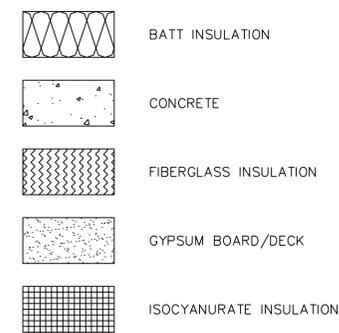
STANDARD SYMBOLS

NOTE: NOT ALL SYMBOLS NECESSARILY USED



STANDARD HATCH PATTERNS

NOTE: NOT ALL HATCH PATTERNS NECESSARILY USED



DEMOLITION NOTES

- ALL DIMENSIONS WITH A DECIMAL ARE IN METERS (M) AND ALL DIMENSIONS WITHOUT A DECIMAL ARE IN MILLIMETERS (MM) UNLESS OTHERWISE NOTED.
- COORDINATE DISCONNECTION/RELOCATION AND RECONNECTION OF MECHANICAL CONDUIT WITH COR.
- THE INFORMATION SHOWN ON THE DRAWINGS HAS BEEN COMPILED FROM VARIOUS SOURCES, AND MAY NOT REFLECT THE ACTUAL CONDITIONS AT THE TIME OF CONSTRUCTION.
- THE BUILDING WILL REMAIN OCCUPIED DURING CONSTRUCTION. THE CONTRACTOR SHALL SCHEDULE AND EXECUTE WORK TO AVOID INTERRUPTIONS TO BUILDING OPERATIONS.
- CONTRACTOR SETUP LOCATIONS SHALL BE AS INDICATED BY THE OWNER DURING THE PRE CONSTRUCTION MEETING. LOCATIONS SHOW ARE APPROXIMATE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING ALL INTERIOR ITEMS INCLUDING FLOORS AND EQUIPMENT PRIOR TO DEMOLITION. ONCE REMOVAL IS COMPLETE FOR THE DAY, THE PLASTIC COVERINGS SHALL BE REMOVED AND THE INTERIOR AREAS CLEANED. CLEANING SHALL INCLUDE, BUT NOT BE LIMITED TO, SWEEPING OF FLOORS AND DUST REMOVAL FROM THE TOPS OF LIGHT FIXTURES AND EQUIPMENT WHERE ACCESSIBLE.
- THE CONTRACTOR SHALL REPORT DETERIORATED OR UNSUITABLE SUBSTRATE COMPONENTS TO THE OWNER PRIOR TO PERFORMING ROOFING INSTALLATION WORK.
- REMOVE AND DISPOSE OF EXISTING ROOF SYSTEM AND ALL ASSOCIATED MATERIALS DOWN TO THE STRUCTURAL DECK UNLESS OTHERWISE INDICATED ON THE DETAIL DRAWINGS TO REMAIN. REMOVE AND DISPOSE OF ALL APPURTENANCES SCHEDULED TO BE REMOVED.
- PROVIDE TEMPORARY OVERHEAD PROTECTION AT THE MAIN ENTRANCE AND AT OTHER LOCATIONS AS NECESSARY TO PROVIDE UNINTERRUPTED ACCESS TO BUILDING.
- REMOVALS SHALL BE PERFORMED IN ACCORDANCE WITH THE SUBMITTED AND APPROVED REMOVAL PLAN, THE DETAIL DRAWINGS AND SPECIFICATIONS.
- EXTENSIVE AMOUNTS OF CONDUIT AND PIPING EXIST THROUGHOUT THE ROOF AREA. USE CAUTION DURING REMOVAL OF ROOF SYSTEM. DISCONNECT AND RECONNECT CONDUIT AS REQUIRED.
- REMOVE AND DISPOSE OF PIPING THAT IS DETERMINED TO BE ABANDONED BY COR.

REPLACEMENT NOTES

- FOR THE SAKE OF CLARITY, EACH INDIVIDUAL DETAIL ON THE ROOF PLANS HAVE NOT BEEN INDICATED. INSTALLATION DETAILS HAVE BEEN INDICATED FOR TYPICAL COMPONENTS AT RANDOM LOCATIONS.
- COMPONENTS SHOWN ON THE DETAIL DRAWINGS SHALL BE NEW UNLESS SPECIFICALLY INDICATED AS EXISTING.
- ITEMS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH GOOD ROOFING PRACTICE.
- FOR THE SAKE OF CLARITY, SECUREMENT FASTENERS ARE NOT SHOWN ON THE DRAWING. REFER TO SPECIFICATIONS FOR FASTENER TYPES AND SPACING.
- ANY DISCREPANCIES ON THE DRAWINGS NOTED BY THE CONTRACTOR SHALL BE BROUGHT TO THE OWNERS ATTENTION PRIOR TO BID SUBMISSION.
- ITEMS OF CONSTRUCTION SHALL BE 100% WATERTIGHT ON A DAILY BASIS. REMOVE ONLY AS MUCH MATERIAL AS CAN BE MADE WATERTIGHT ON THE SAME DAY OF WORK.
- DETAILS NOT DEPICTED SHALL BE CONSTRUCTED IN A MANNER CONSISTENT WITH THE DETAIL DRAWINGS.
- IF THERE IS A POTENTIAL HAZARDOUS MATERIAL MATERIAL ENCOUNTERED DURING THE COURSE OF WORK THAT IS NOT IDENTIFIED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR WILL STOP WORK IMMEDIATELY AND CONTACT THE OWNER WHO IS TO MAKE A DETERMINATION IF THE MATERIAL IS HAZARDOUS.
- DISCONNECT, REMOVE, STORE, PROTECT AND REINSTALL EXISTING ROOFTOP EQUIPMENT AND ASSOCIATED MECHANICAL/ELECTRICAL CONDUIT TO PROPERLY INSTALL REPLACEMENT ROOF SYSTEMS. THE CONTRACTOR SHALL "LOCK-OUT" ALL MECHANICAL ELECTRICAL EQUIPMENT, INCLUDING HVAC EQUIPMENT, PRIOR TO INITIATING WORK.



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OBO Project Number	Drawing Scale	Phase
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655243 CHR G0x	1=1	

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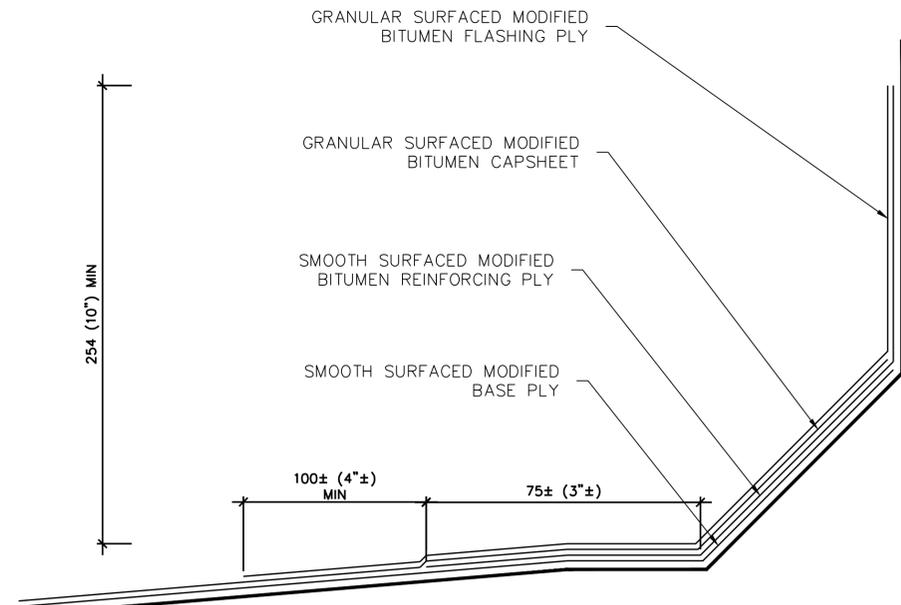
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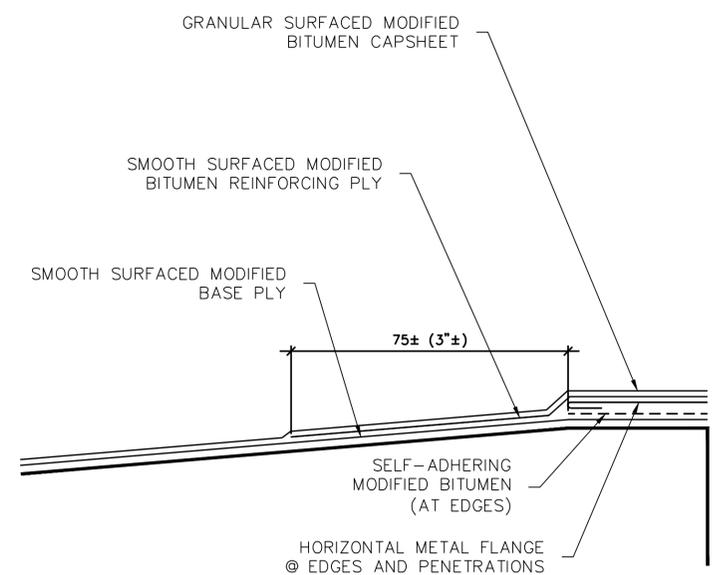
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Drawing Title TYPICAL FLASHING CONFIGURATIONS		
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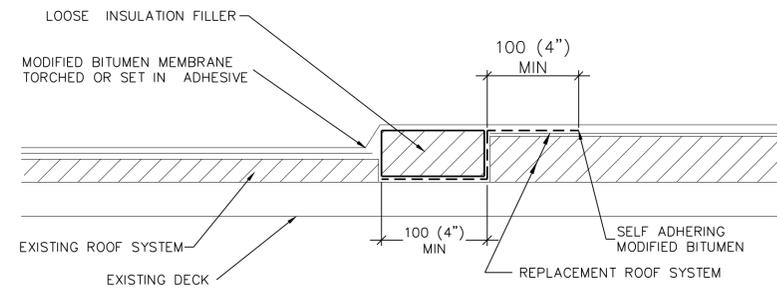
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Drawn By	MLF	G-003
Checked By	SJB	
Project Number	655243	
Classification	UNCLASSIFIED	



D1 TYPICAL MODIFIED BASE FLASHING
SCALE: 150 (6" = 1'-0")



D3 TYPICAL MODIFIED STRIP FLASHING
SCALE: 150 (6" = 1'-0")



D5 TYPICAL TEMPORARY TIE-IN CONSTRUCTION
NOT TO SCALE

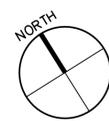
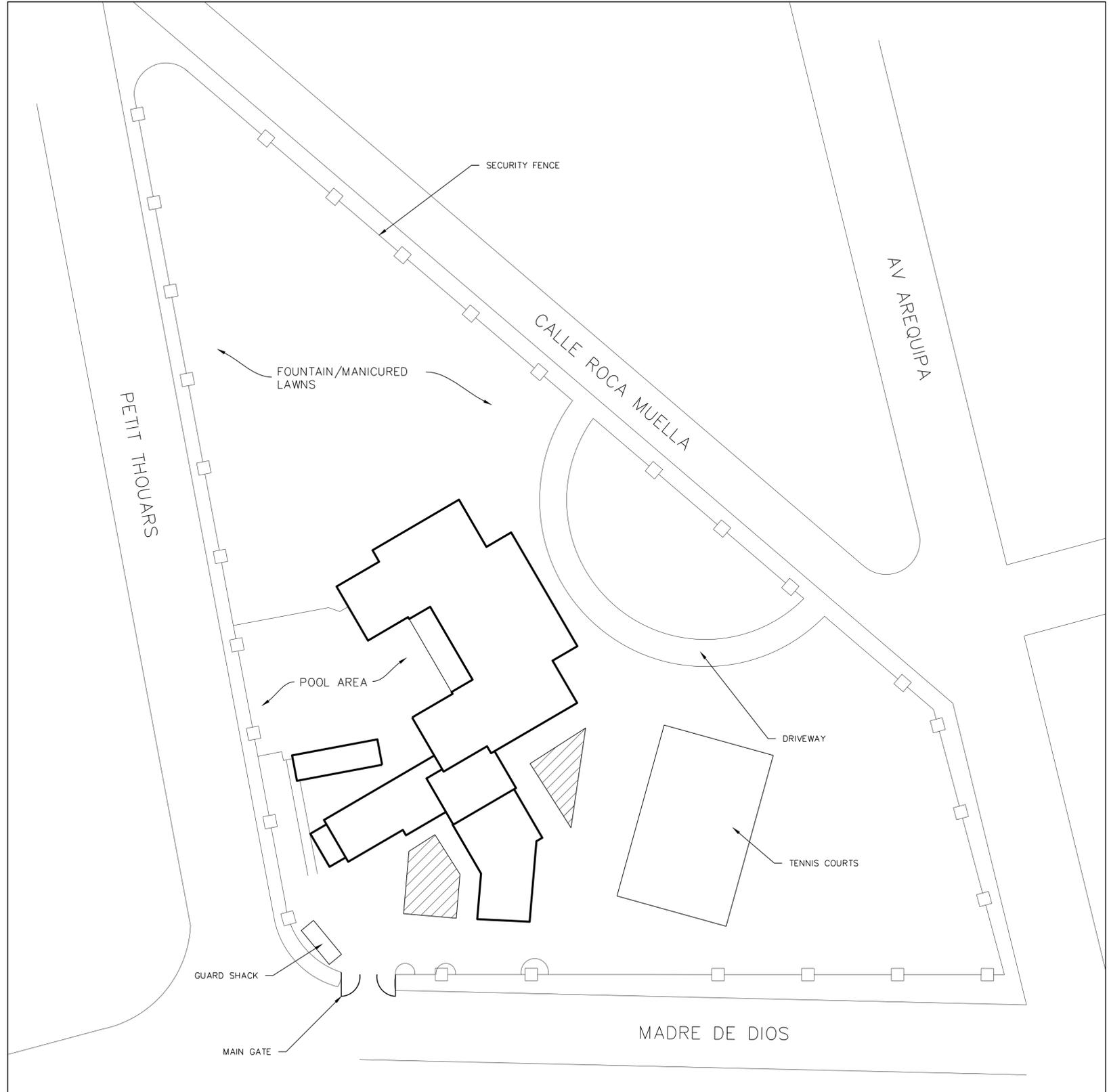
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Drawing Title SITE/STAGING PLAN		
OBO Project Number	Drawing Scale	Phase
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Date	9/19/2012	Sheet Number
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Checked By	SJB	
Project Number	655243	
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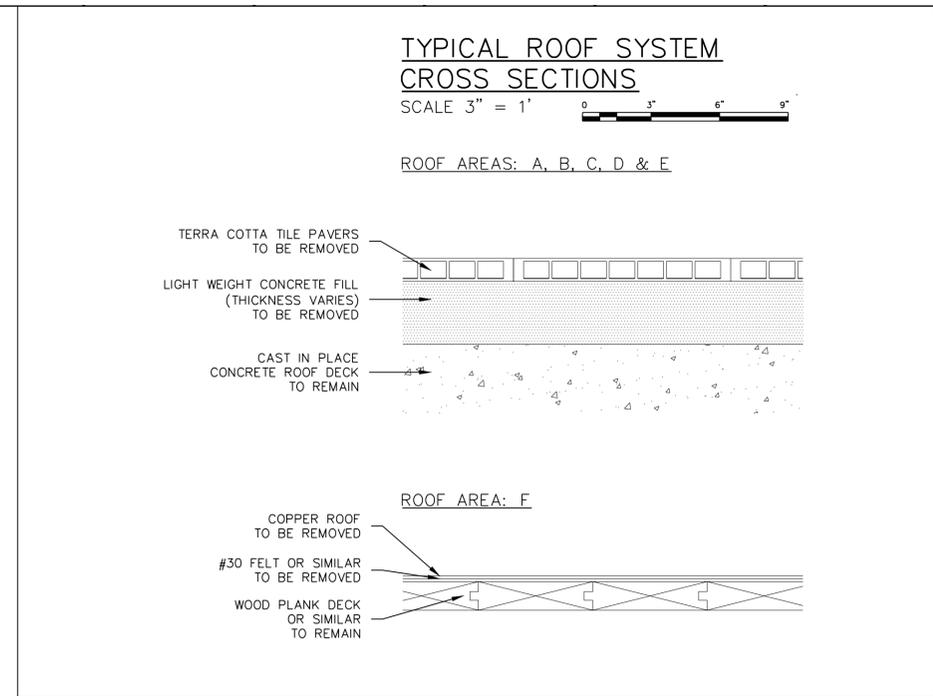
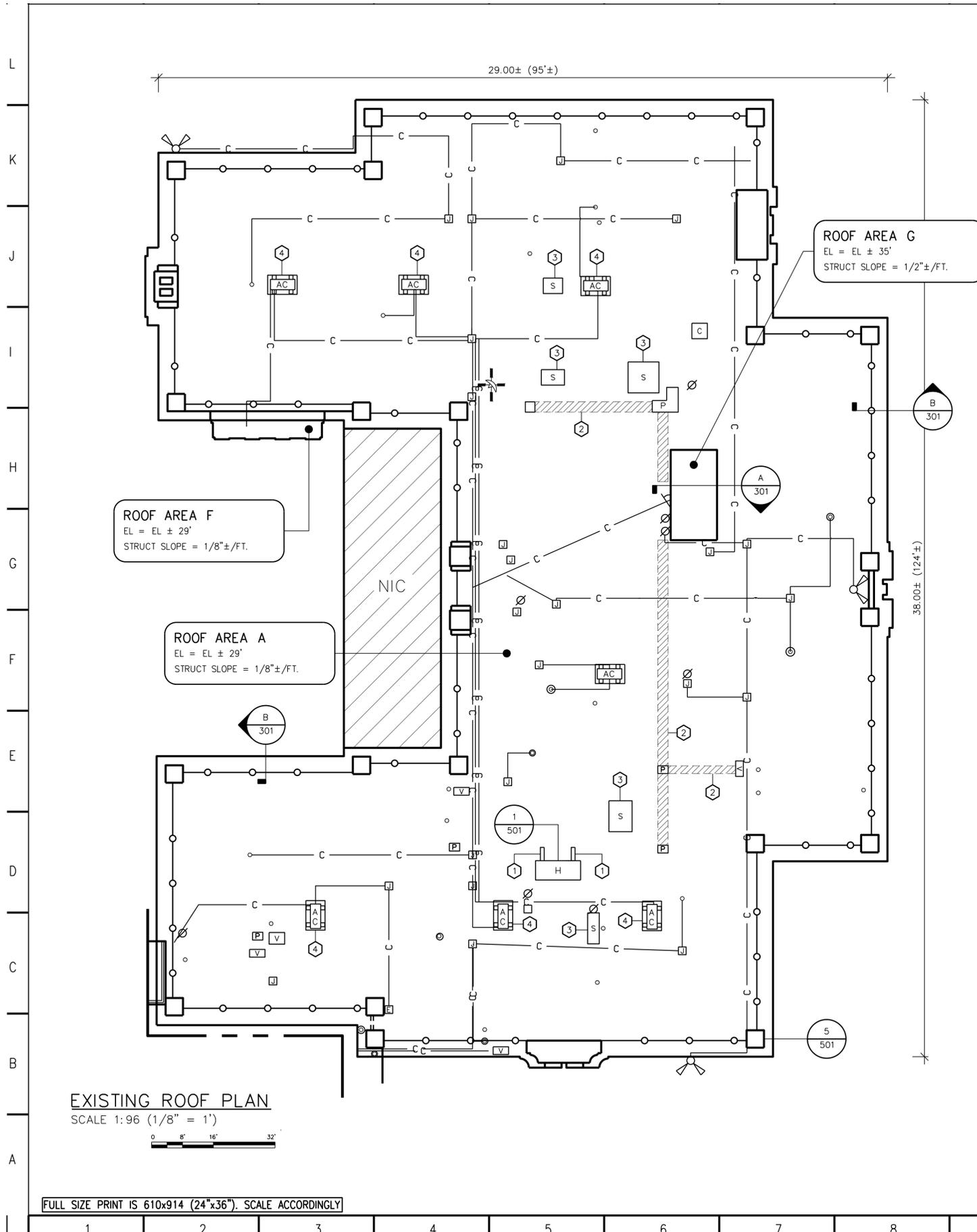
LEGEND:

POTENTIAL STORAGE/STAGING AREA



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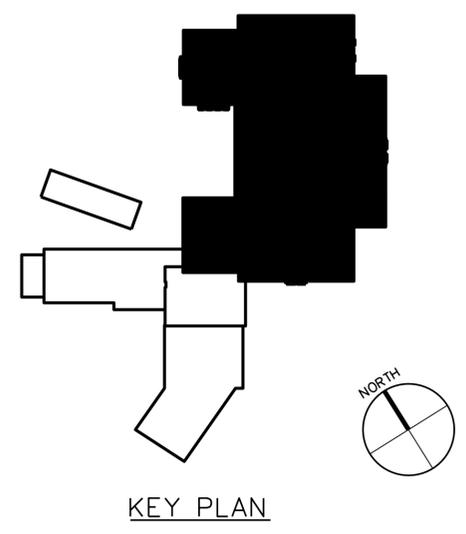
1 2 3 4 5 6 7 8 9 10 11 12 13 14



- KEY NOTES:**
- ① REMOVE CONCRETE HATCH SUPPORT.
 - ② CWF COVERING TO BE REMOVED.
 - ③ DECK LEVEL GLASS SKYLIGHT TO REMAIN.
 - ④ CONCRETE CURBS TO BE REMOVED.

GENERAL NOTES:

DISCONNECT, REMOVE, RAISE OR OTHERWISE MODIFY ROOF LEVEL CONDUIT AND JUNCTION BOXES TO REMOVE EXISTING AND INSTALL NEW ROOF SYSTEMS



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ROOF PLAN EXISTING CONDITIONS		
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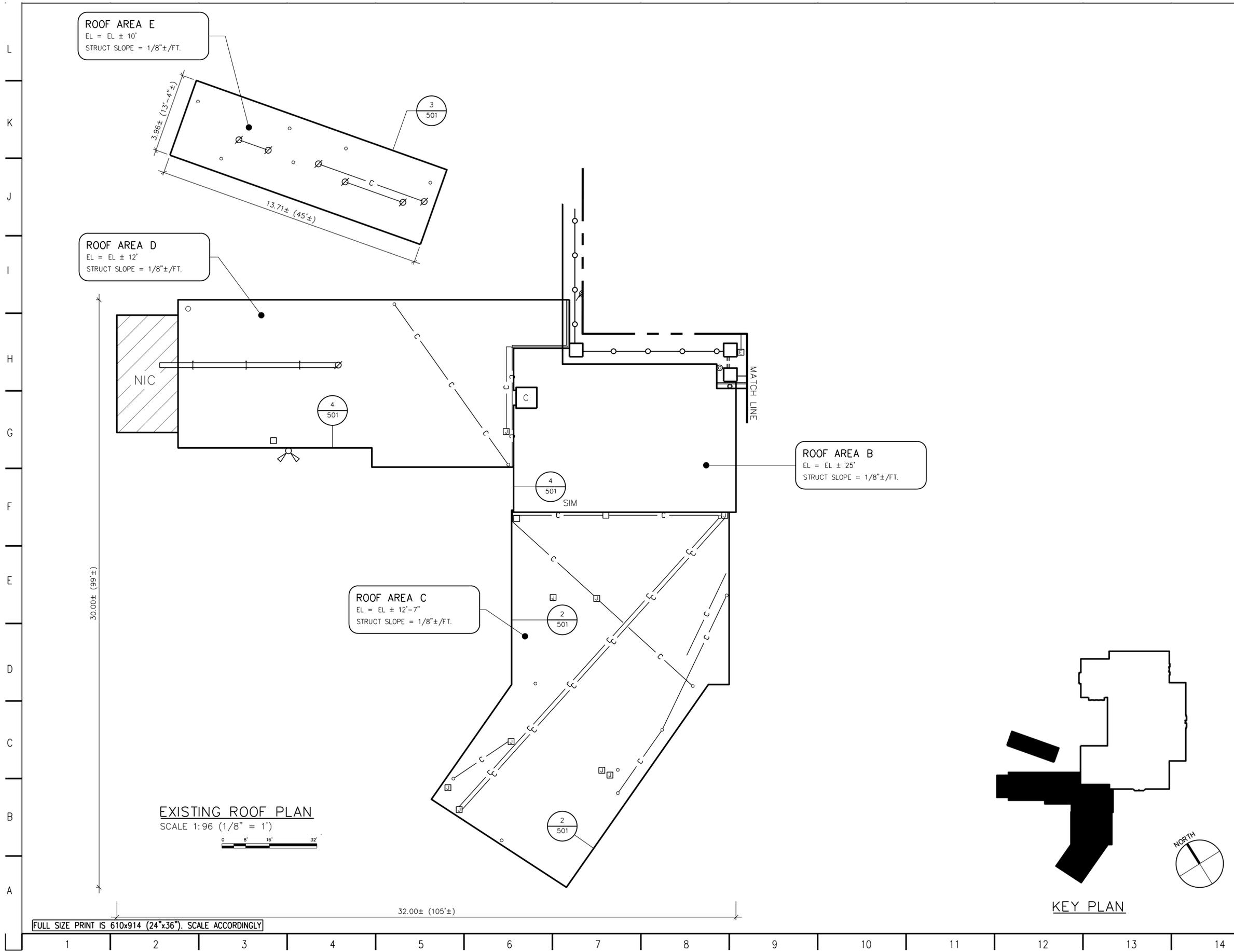
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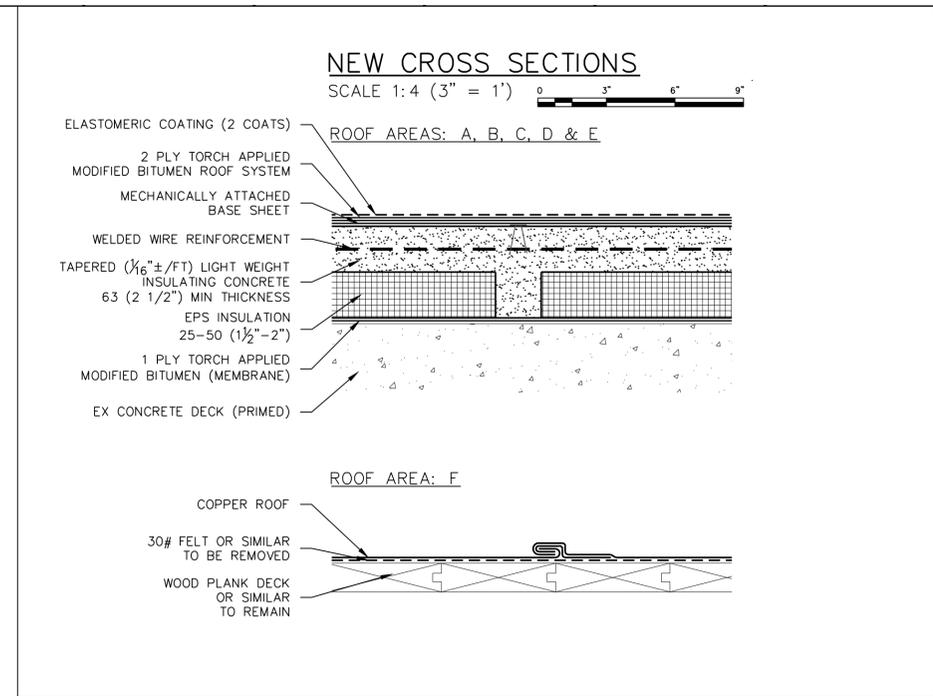
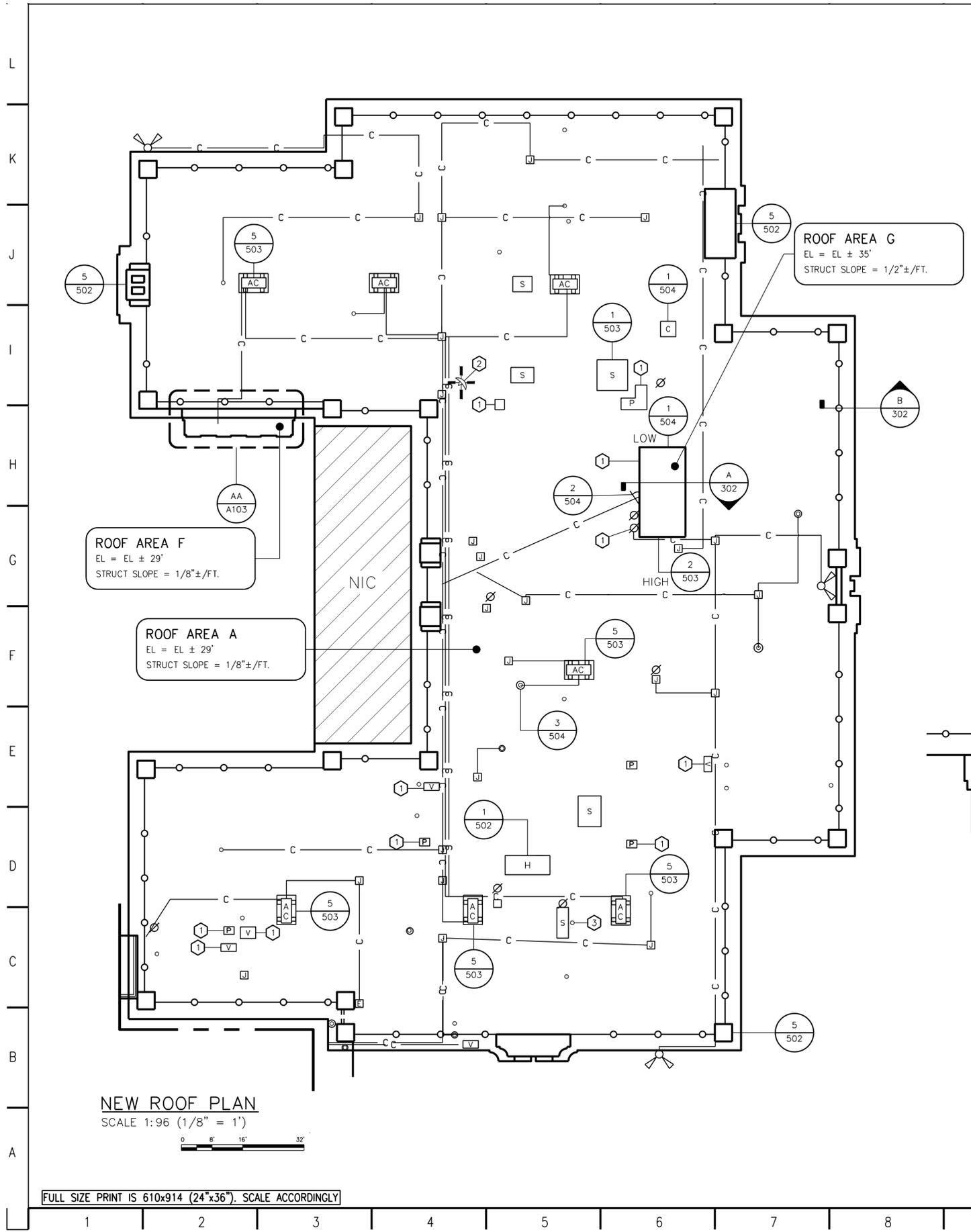
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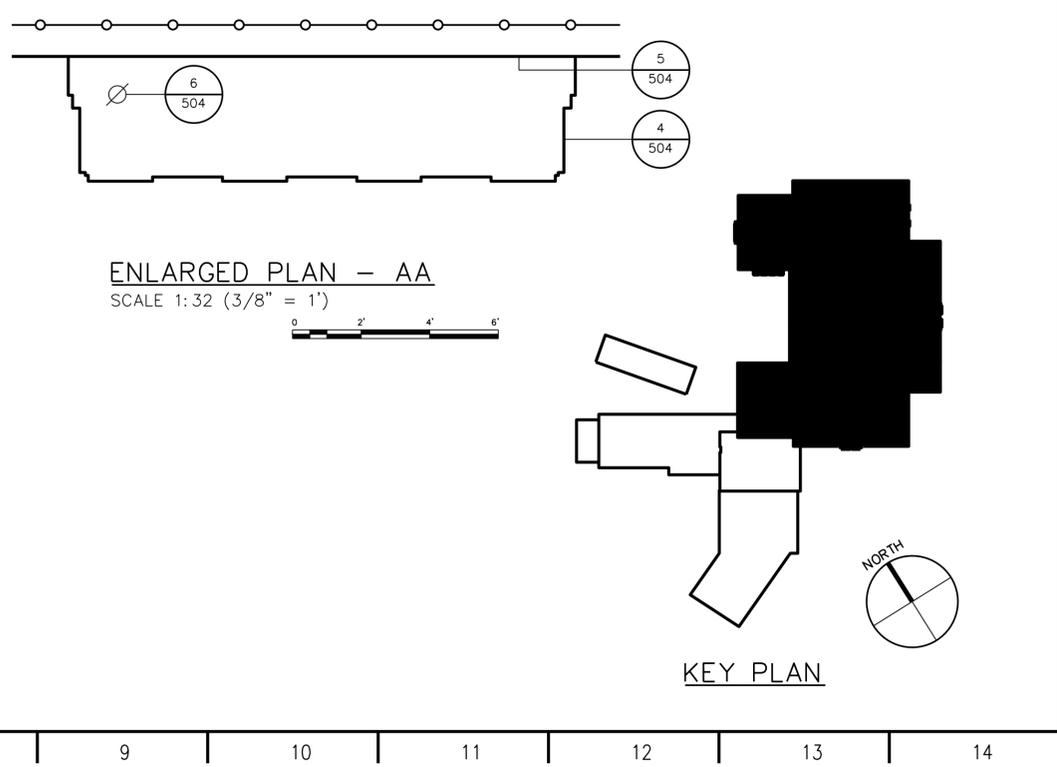


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- KEY NOTES:**
- ① PROVIDE CONCRETE CURB AND SM CAP AROUND PENETRATIONS. SEE DETAIL 4/503.
 - ② TEMPORARILY RAISE AND REINSTALL SATELLITE ON CONCRETE PAVERS.
 - ③ RELOCATE PIPE THIS LOCATION.





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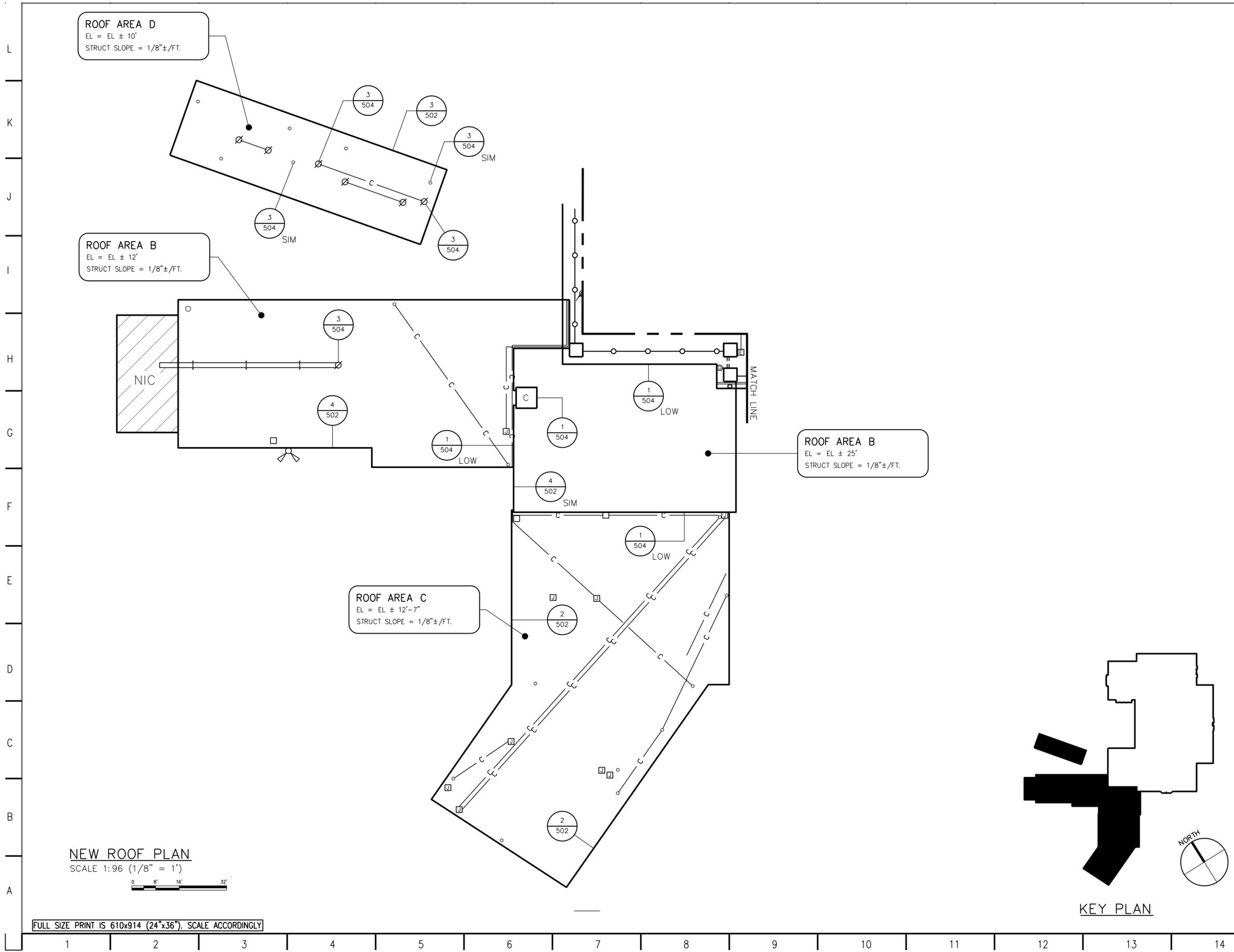
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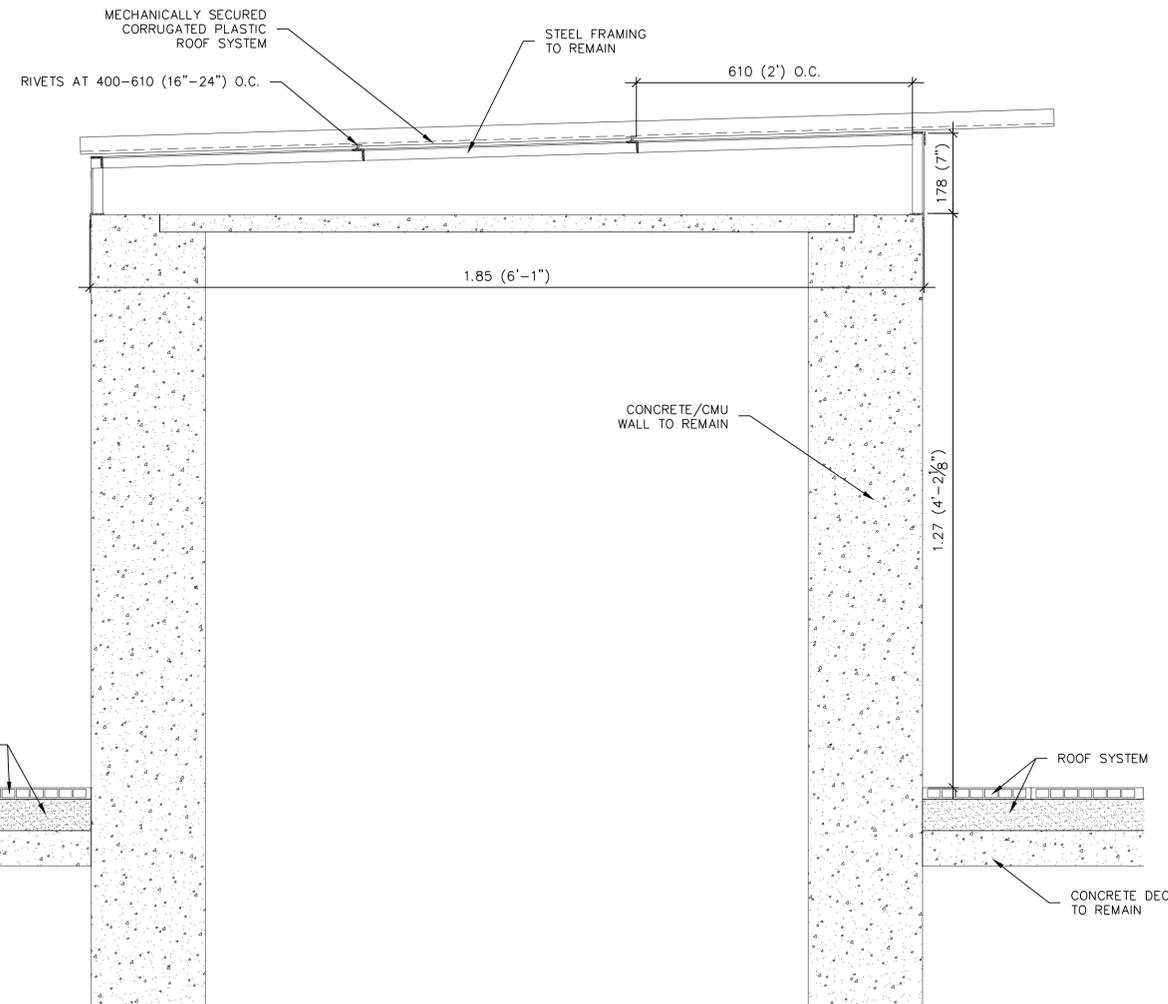
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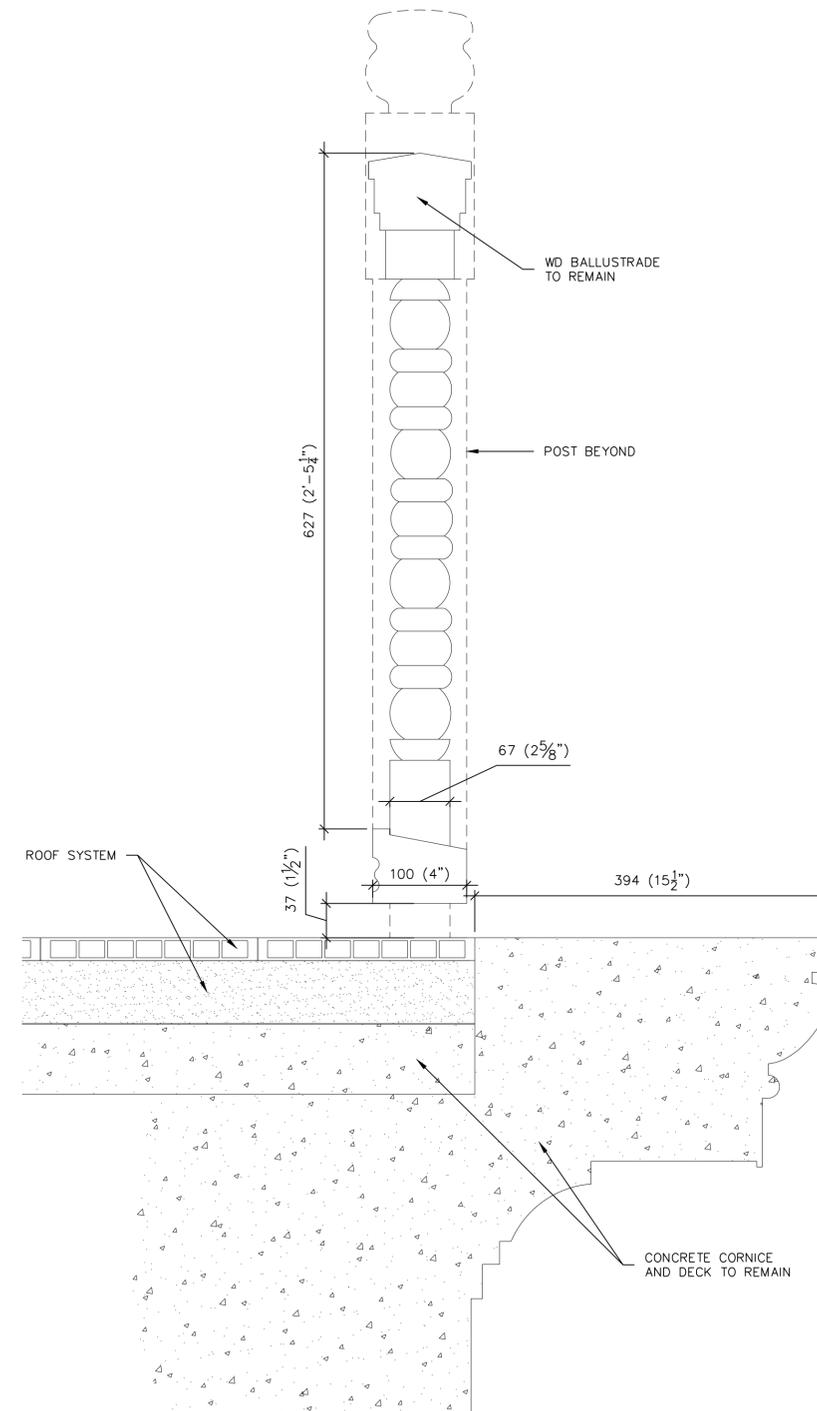
Release For Construction:	
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Drawing Title SECTIONS EXISTING CONDITIONS		
OBO Project Number	Drawing Scale	Phase
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CADD File Name	CADD Plot Scale	
655243 CMR A3x	1=1	

Date	9/19/2012	Sheet Number	A-301
Drawn By	MLF		
Checked By	SJB		
Project Number	655243		
Classification	UNCLASSIFIED		



1
301
ELEVATOR PENTHOUSE
SCALE: 1:8 (1-1/2" = 1')
0 1/2' 1' 1 1/2'



2
301
BALLUSTRADE
SCALE: 1:4 (3\"/>

FULL SIZE PRINT IS 610x914 (24"x36"). SCALE ACCORDINGLY

REMOVE ALL ITEMS UNLESS DESIGNATED TO REMAIN

1 2 3 4 5 6 7 8 9 10 11 12 13 14

L
K
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A



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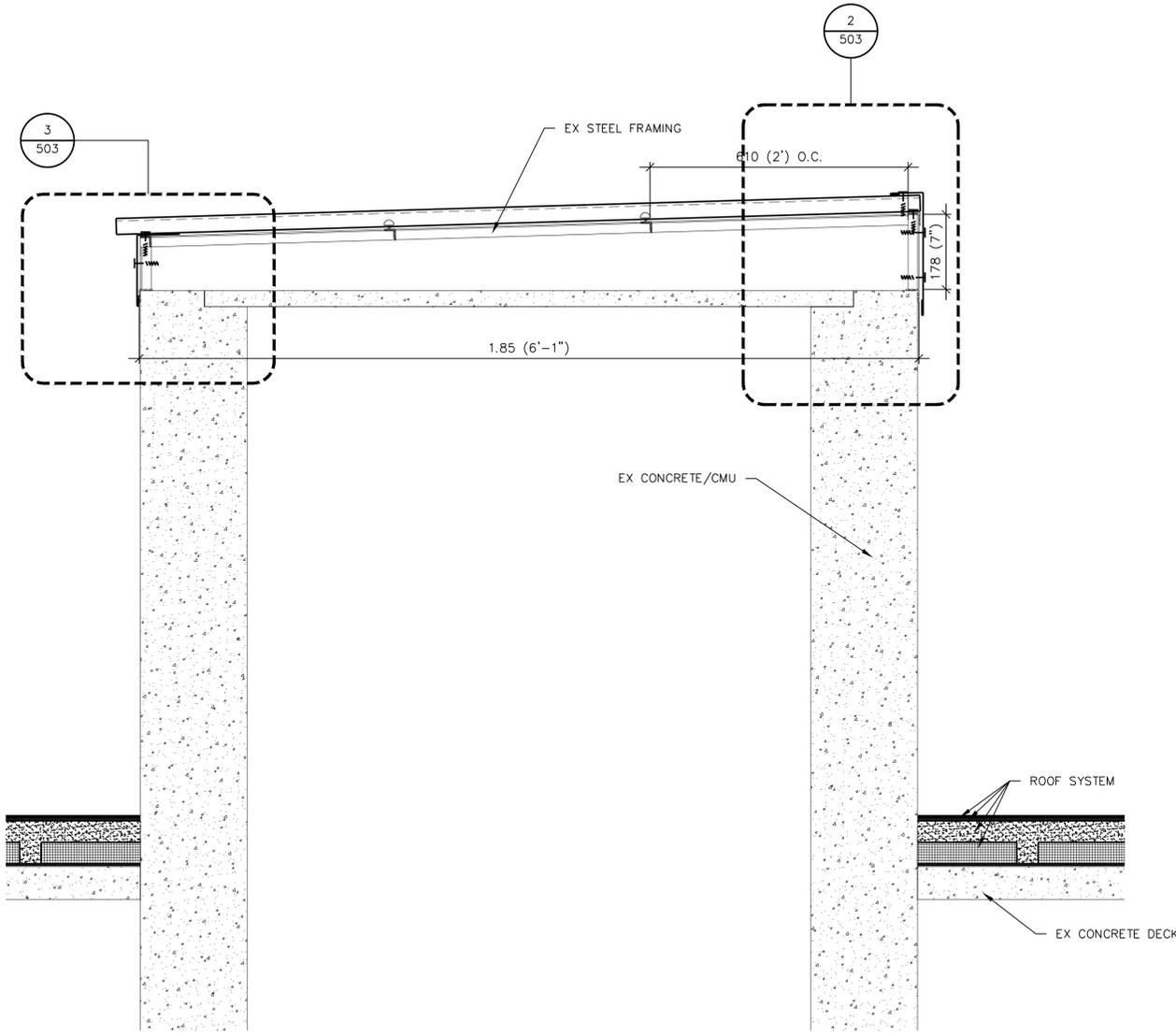
Revisions

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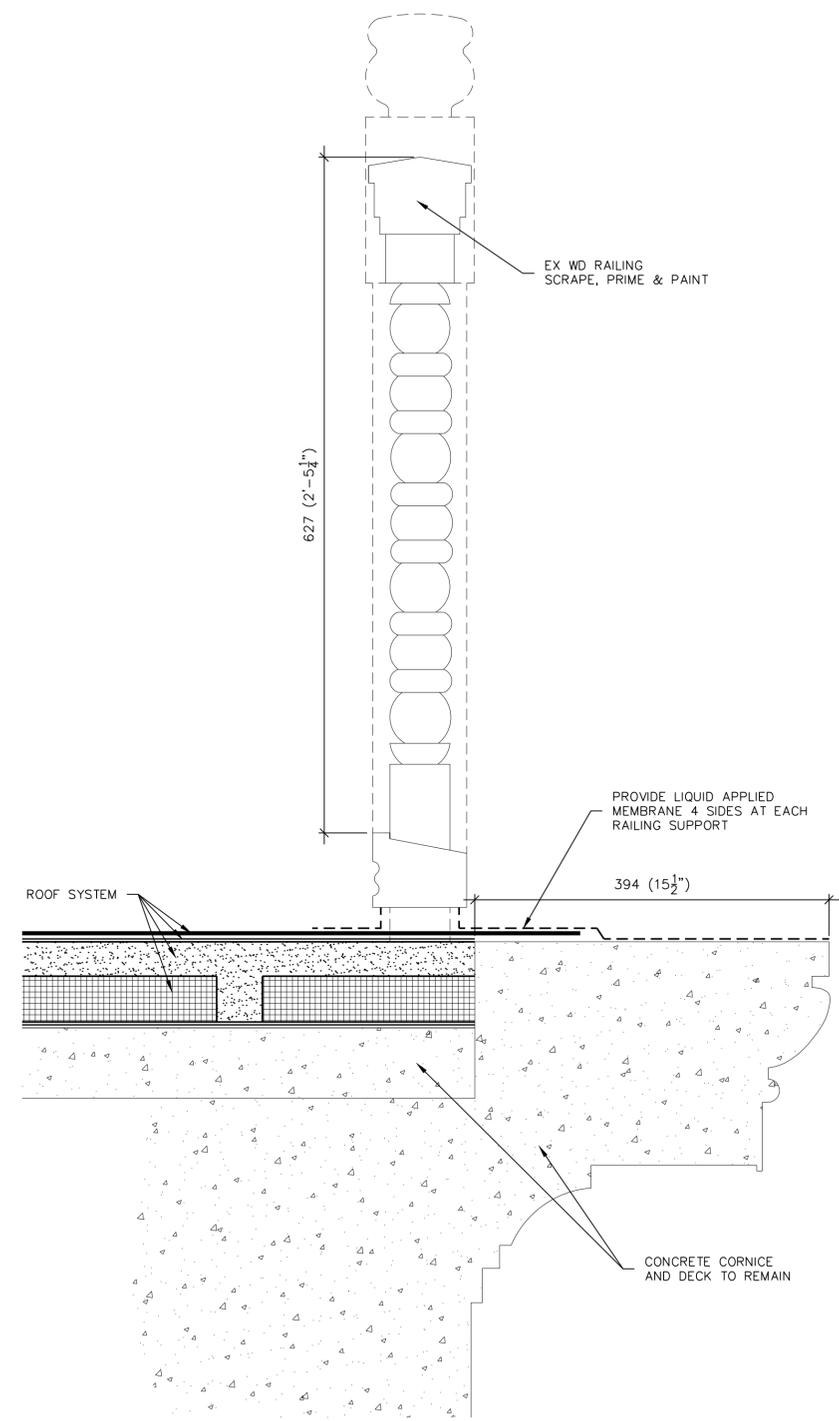
Release For Construction:
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Drawing Title SECTIONS NEW CONSTRUCTION		
OBO Project Number	Drawing Scale	Phase
655243 CMR A3x	AS NOTED	<input type="checkbox"/> CONCEPT <input type="checkbox"/> 30% <input type="checkbox"/> 60% <input checked="" type="checkbox"/> 90% <input type="checkbox"/> 100% <input type="checkbox"/> FINAL
CADD File Name	CADD Plot Scale	
655243 CMR A3x	1=1	

Date	9/19/2012	Sheet Number	A-302
Drawn By	MLF		
Checked By	SJB		
Project Number	655243		
Classification	UNCLASSIFIED		



A
302
ELEVATOR PENTHOUSE
SCALE: 1:8 (1-1/2" = 1')
0 1/2' 1' 1 1/2'



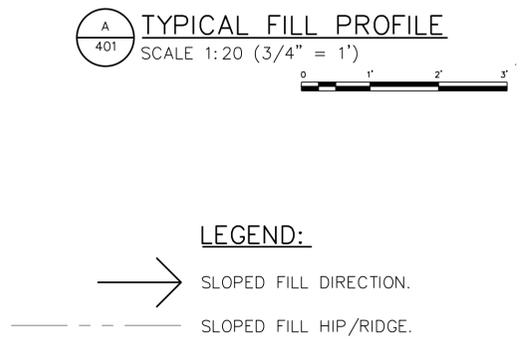
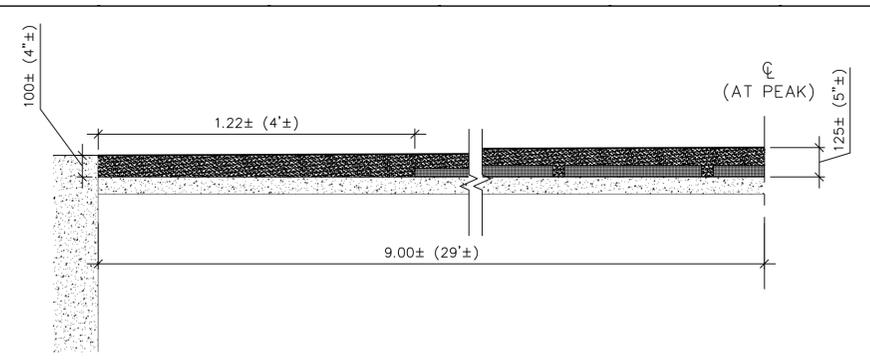
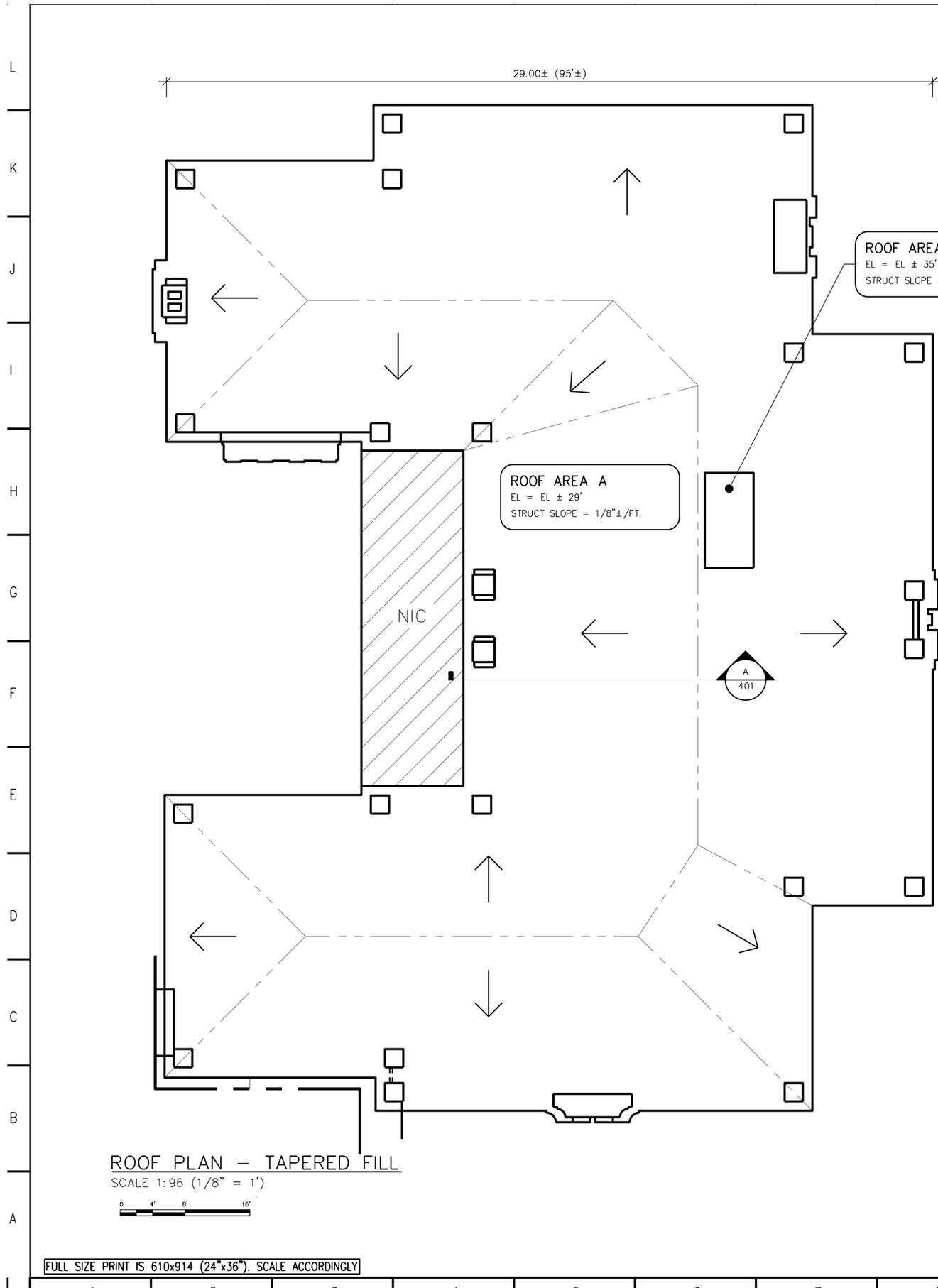
B
302
BALLUSTRADE
SCALE: 1:4 (3" = 1')
0 3' 6' 9'

FULL SIZE PRINT IS 610x914 (24"x36"). SCALE ACCORDINGLY

ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING (EX)

L
K
J
I
H
G
F
E
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C
B
A

1 2 3 4 5 6 7 8 9 10 11 12 13 14





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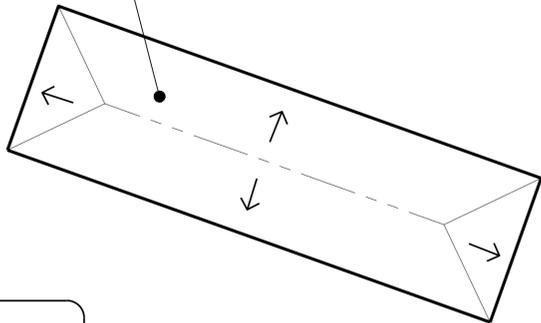
Release For Construction:	
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**ROOF PLAN
TAPERED FILL**

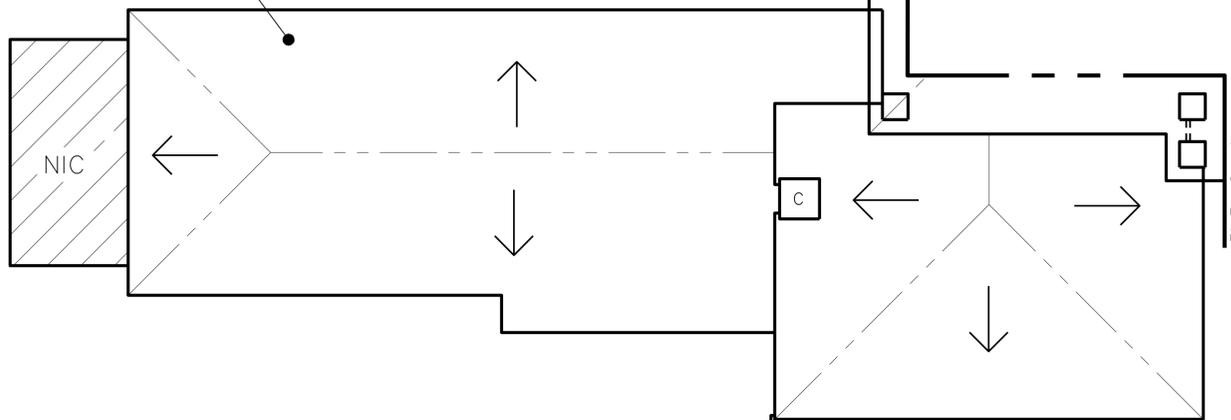
OBO Project Number	Drawing Scale	Phase
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CADD File Name	CADD Plot Scale	<input type="checkbox"/> CONCEPT <input type="checkbox"/> 30% <input type="checkbox"/> 60% <input checked="" type="checkbox"/> 90% <input type="checkbox"/> 100% <input type="checkbox"/> FINAL
655243 CMR A1x	1=1	

Date	9/19/2012	Sheet Number
Drawn By	MLF	A-401
Checked By	SJB	
Project Number	655243	
Classification	UNCLASSIFIED	

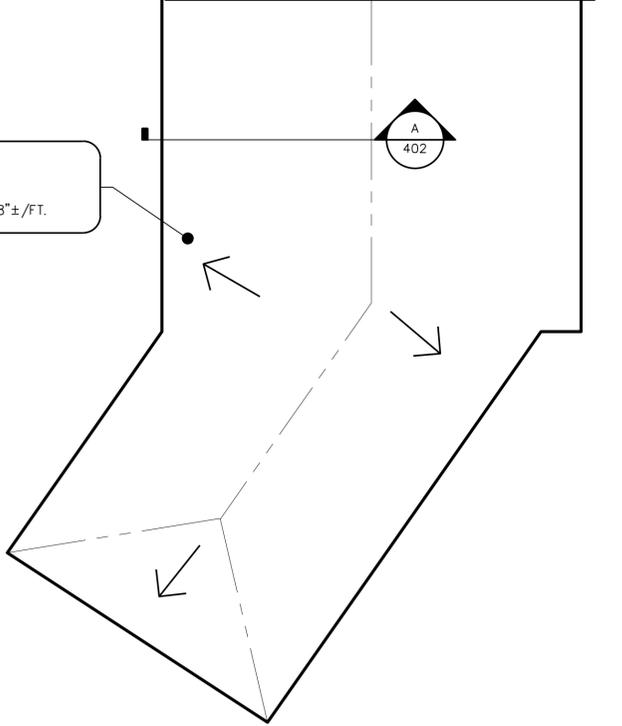
ROOF AREA D
 EL = EL ± 10'
 STRUCT SLOPE = 1/8"±/FT.



ROOF AREA B
 EL = EL ± 12'
 STRUCT SLOPE = 1/8"±/FT.



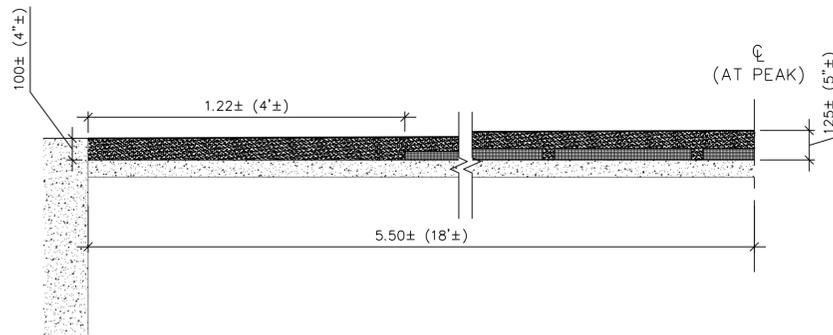
ROOF AREA C
 EL = EL ± 12'-7"
 STRUCT SLOPE = 1/8"±/FT.



ROOF PLAN — TAPERED FILL
 SCALE 1:96 (1/8" = 1')



FULL SIZE PRINT IS 610x914 (24"x36"). SCALE ACCORDINGLY

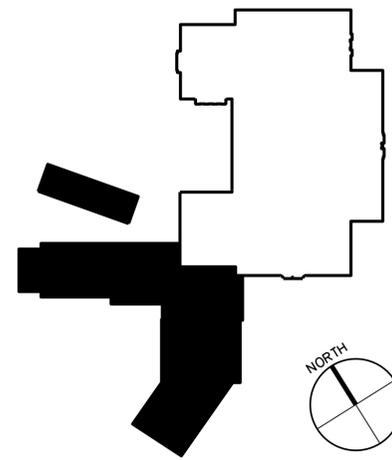


TYPICAL FILL PROFILE
 SCALE 1:20 (3/4" = 1')



LEGEND:

- SLOPED FILL DIRECTION.
- SLOPED FILL HIP/RIDGE.



KEY PLAN



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Drawing Title		
ROOF PLAN TAPERED FILL		
OBO Project Number	Drawing Scale	Phase
655243 CMR A1x	AS NOTED	<input type="checkbox"/> CONCEPT <input type="checkbox"/> 30% <input type="checkbox"/> 60% <input checked="" type="checkbox"/> 90% <input type="checkbox"/> 100% <input type="checkbox"/> FINAL
CADD File Name	CADD Plot Scale	
655243 CMR A1x	1=1	

Date	9/19/2012	Sheet Number
Drawn By	MLF	A-402
Checked By	SJB	
Project Number	655243	
Classification	UNCLASSIFIED	



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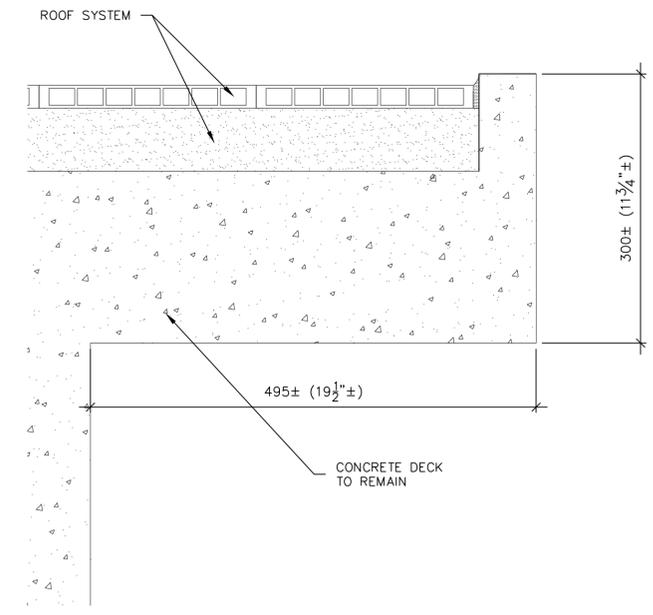
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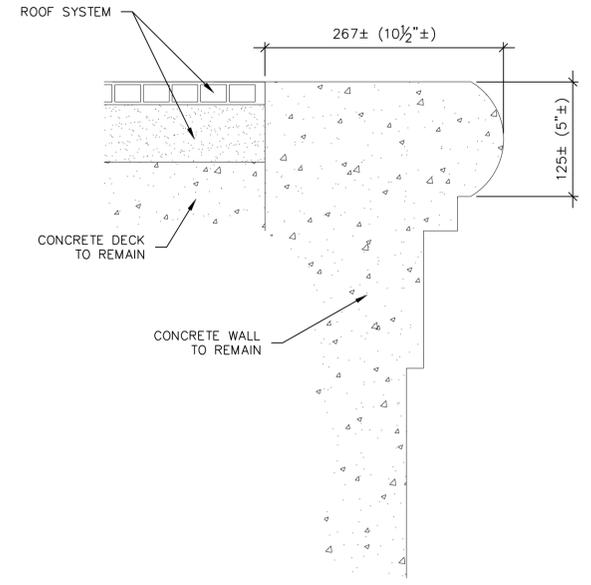
DETAILS EXISTING CONDITIONS

OBO Project Number	Drawing Scale	Phase
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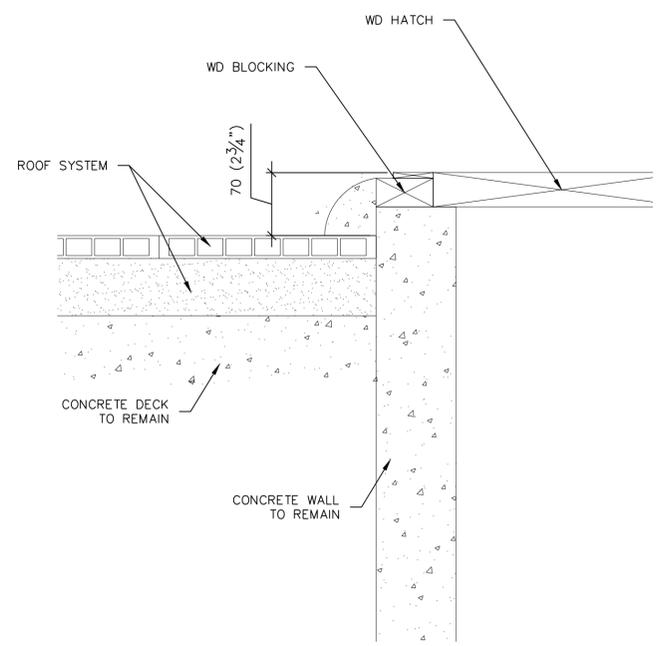
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Drawn By	MLF	Project Number	655243
Checked By	SJB	Classification	UNCLASSIFIED



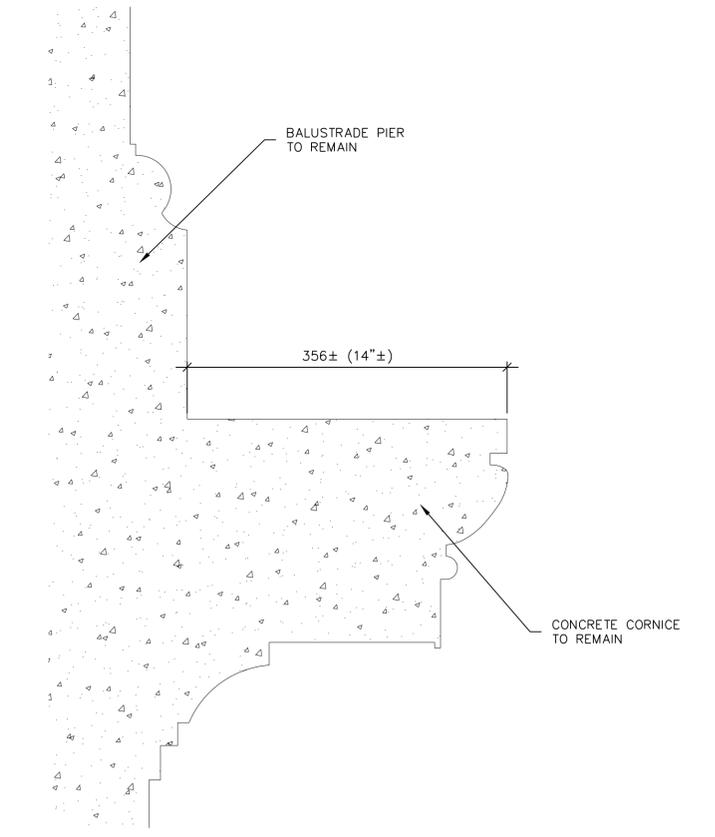
3 ROOF EDGE (AREA E)
SCALE: 1:4 (3"=1')



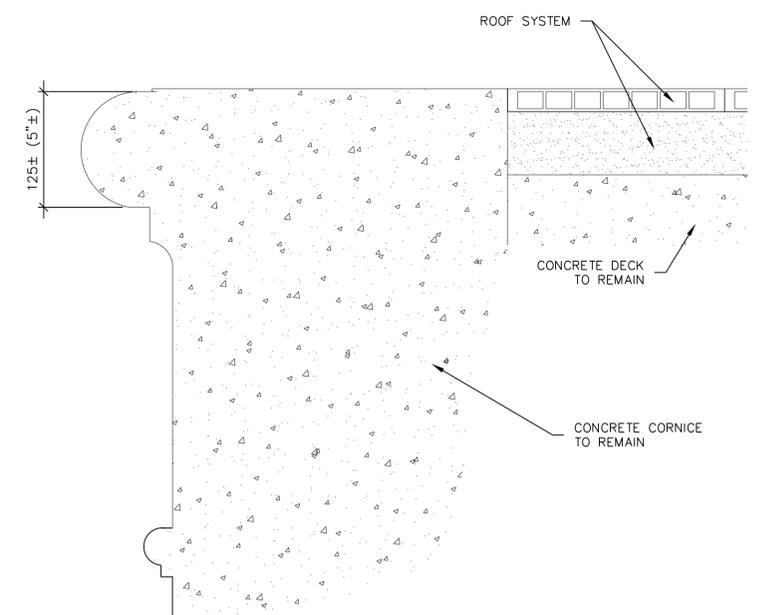
2 ROOF EDGE (AREA C)
SCALE: 1:4 (3"=1')



1 ROOF HATCH (HINGE SIDE)
SCALE: 1:4 (3"=1')



5 ROOF EDGE AT BALUSTRADE PIER
SCALE: 1:4 (3"=1')



4 ROOF EDGE (AREA D)
SCALE: 1:4 (3"=1')

FULL SIZE PRINT IS 610x914 (24"x36"). SCALE ACCORDINGLY

REMOVE ALL ITEMS UNLESS DESIGNATED TO REMAIN

Grid lines: L, K, J, I, H, G, F, E, D, C, B, A

Horizontal axis: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14



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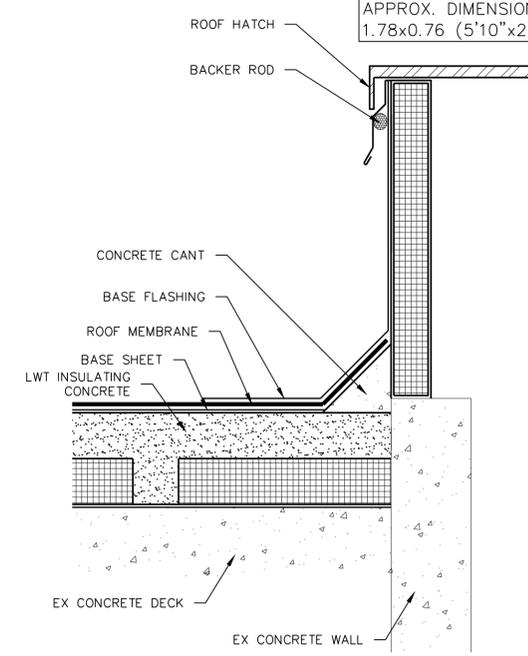
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Drawing Title
**DETAILS
NEW CONSTRUCTION**

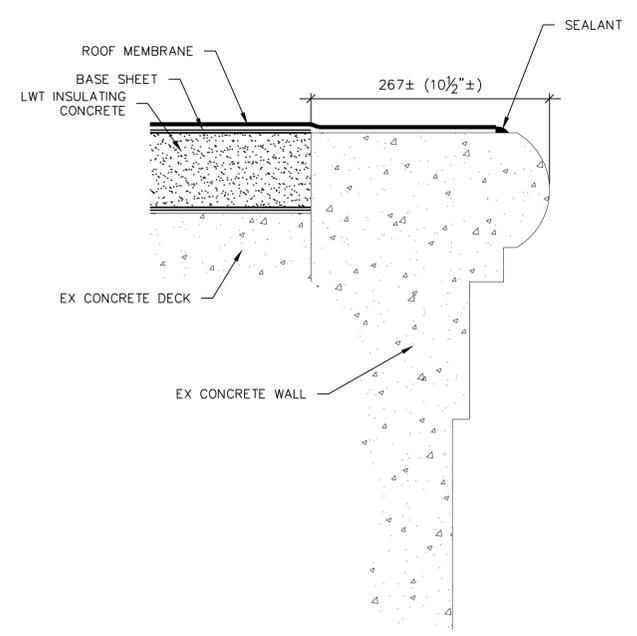
OBO Project Number	Drawing Scale	Phase
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CADD File Name	CADD Plot Scale	CONCEPT <input type="checkbox"/> 30% <input type="checkbox"/> 60% <input checked="" type="checkbox"/> 90% <input type="checkbox"/> 100% <input type="checkbox"/> FINAL
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Date	9/19/2012	Sheet Number
Drawn By	MLF	A-502
Checked By	SJB	
Project Number	655243	
Classification	UNCLASSIFIED	

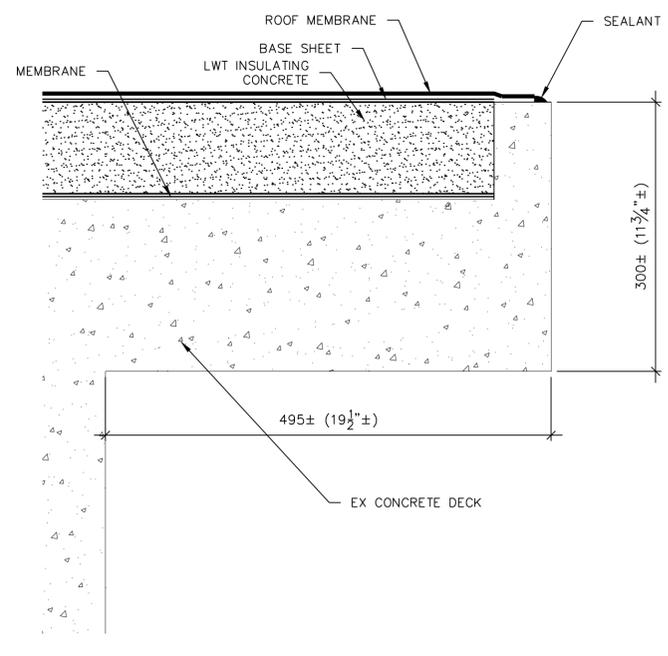
NOTE:
APPROX. DIMENSION OF HATCH IS
1.78x0.76 (5'10"x2'6").



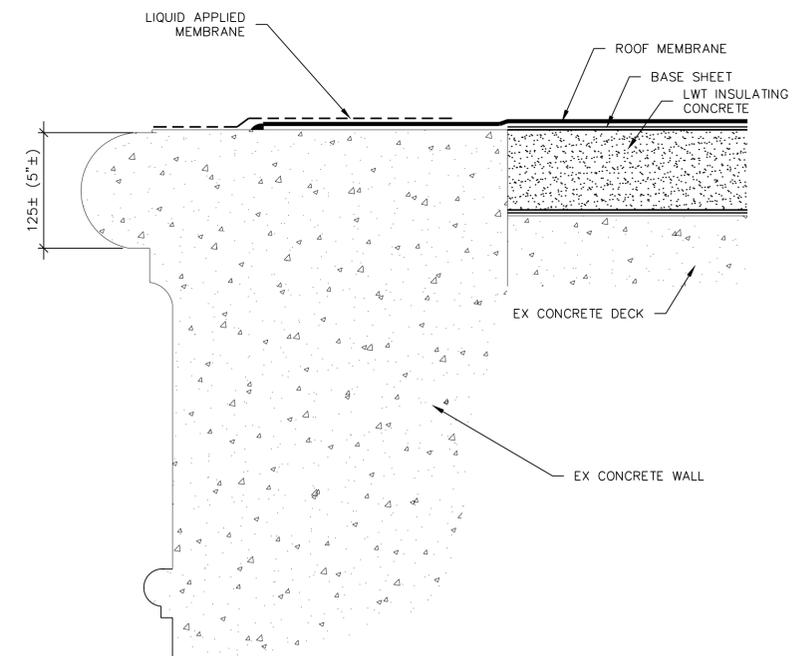
1 ROOF HATCH (HINGE SIDE)
502 SCALE: 1:4 (3"=1')



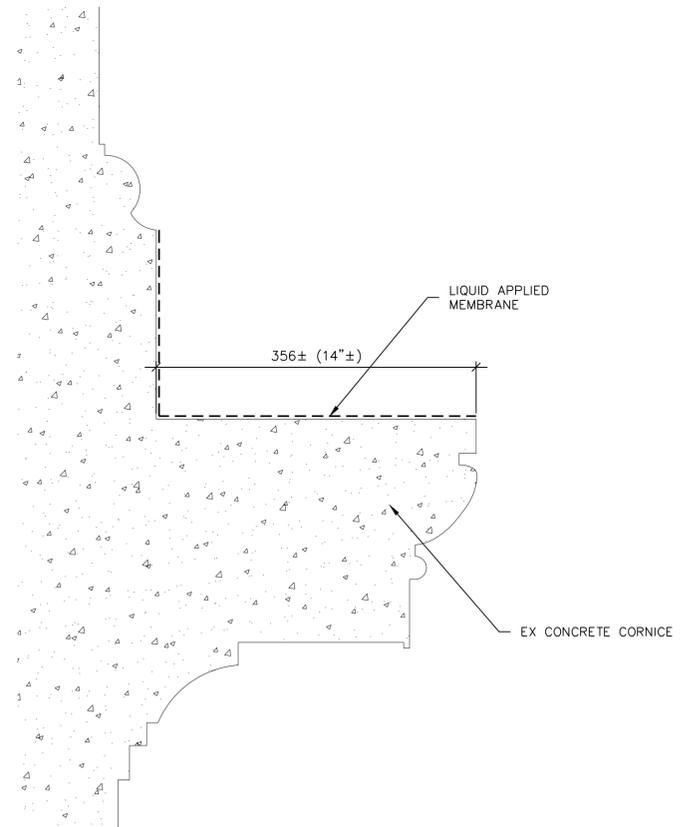
2 ROOF EDGE (AREA C)
502 SCALE: 1:4 (3"=1')



3 ROOF EDGE (AREA E)
502 SCALE: 1:4 (3"=1')



4 ROOF EDGE (AREA D)
502 SCALE: 1:4 (3"=1')



5 ROOF EDGE AT BALUSTRADE PIER
502 SCALE: 1:4 (3"=1')

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Grid lines A through L are marked on the left and right sides of the drawing. A horizontal scale bar at the bottom indicates grid lines 1 through 14.



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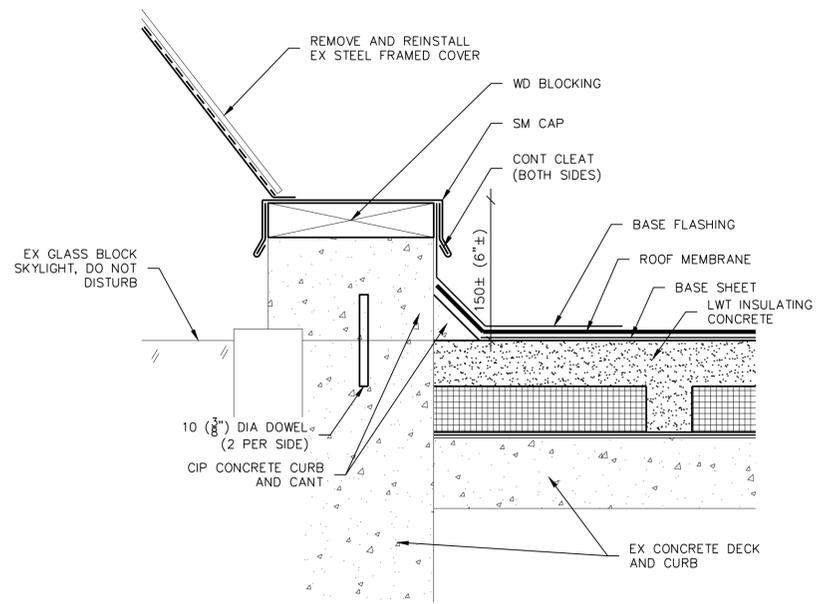
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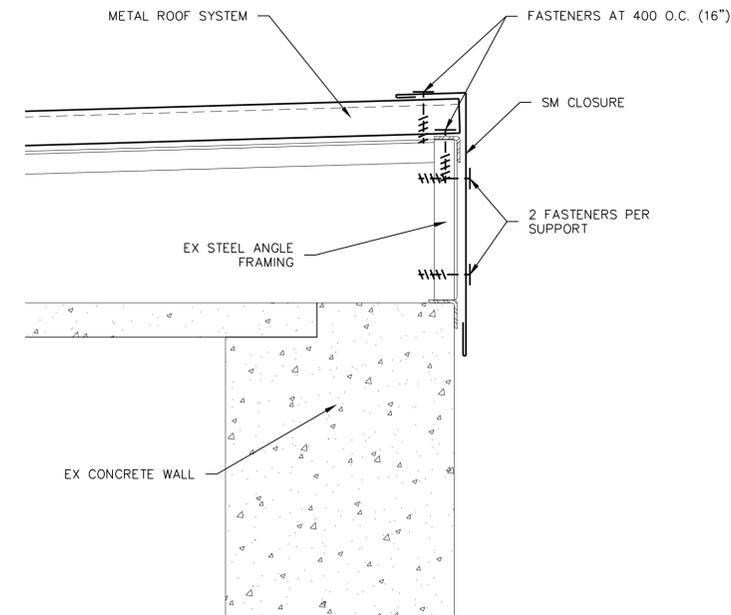
DETAILS NEW CONSTRUCTION

OBO Project Number	Drawing Scale	Phase
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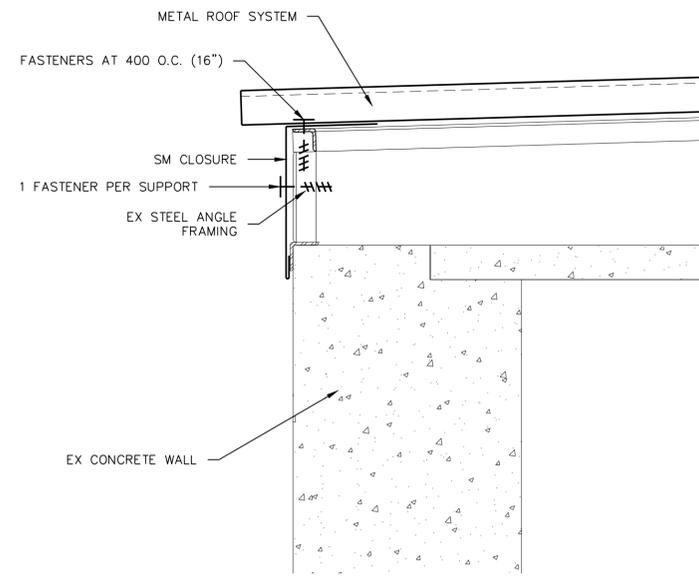
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Drawn By	MLF	A-503
Checked By	SJB	
Project Number	655243	
Classification	UNCLASSIFIED	



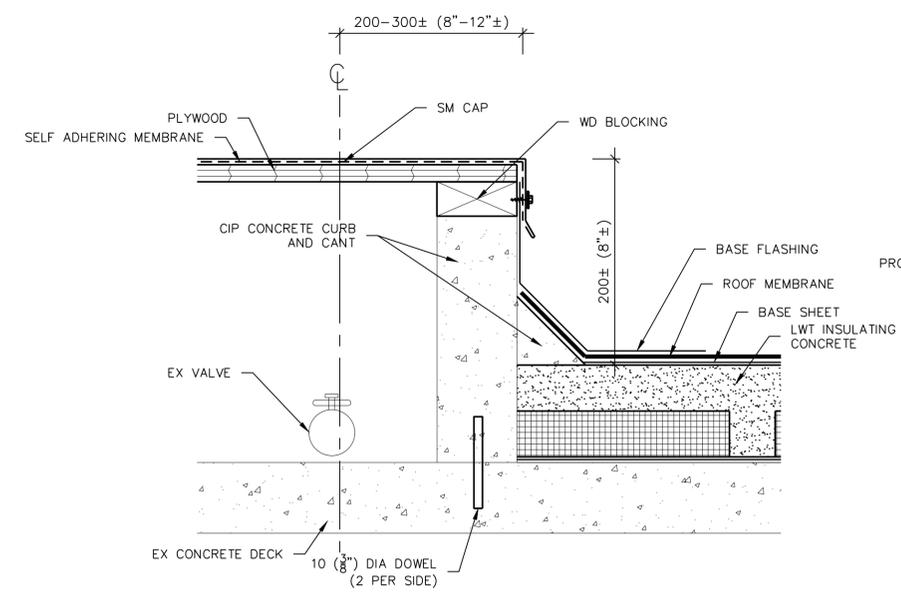
1 SKYLIGHT CURB
503 SCALE: 1:4 (3"=1')



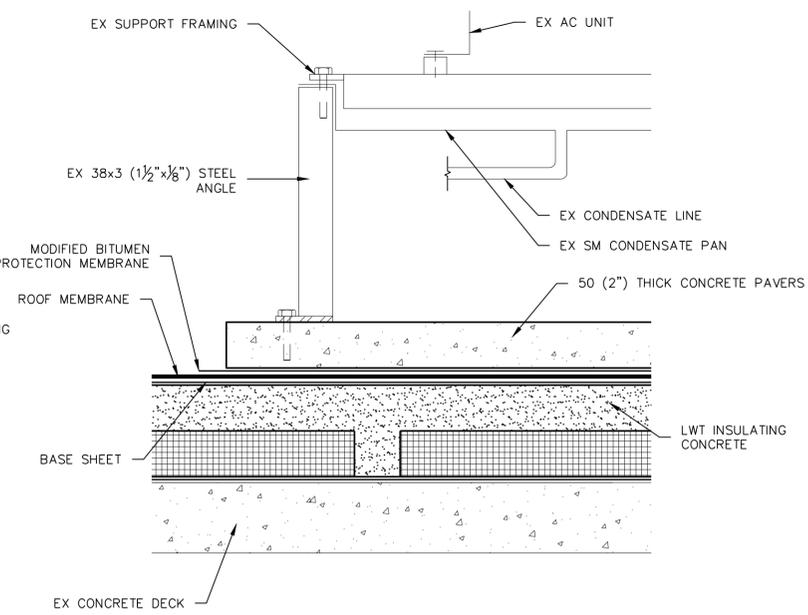
2 RIDGE - AREA G
503 SCALE: 1:4 (3"=1')



3 EAVE - AREA G
503 SCALE: 1:4 (3"=1')



4 CONCRETE CURB
503 SCALE: 1:4 (3"=1')



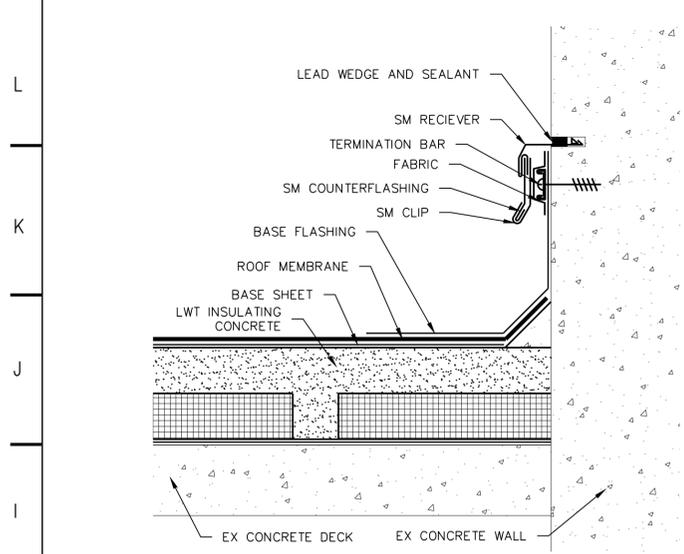
5 AC UNIT
503 SCALE: 1:4 (3"=1')

FULL SIZE PRINT IS 610x914 (24"x36"). SCALE ACCORDINGLY

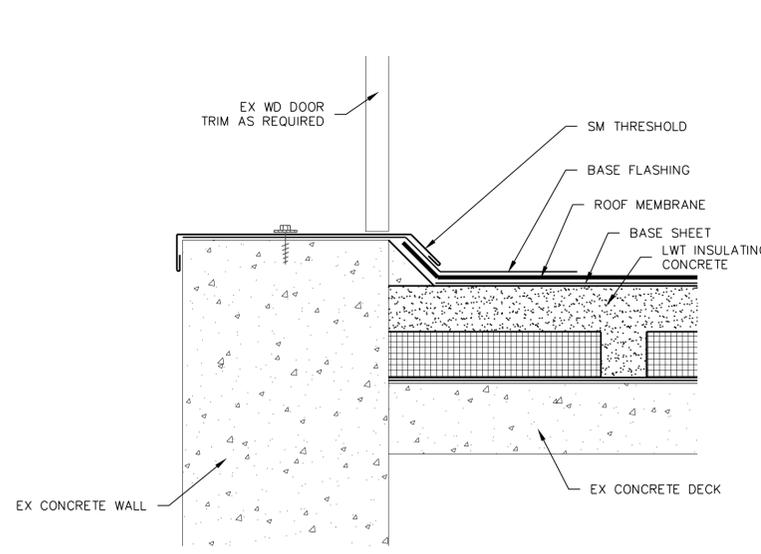
ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING (EX)

Grid lines: L, K, J, I, H, G, F, E, D, C, B, A

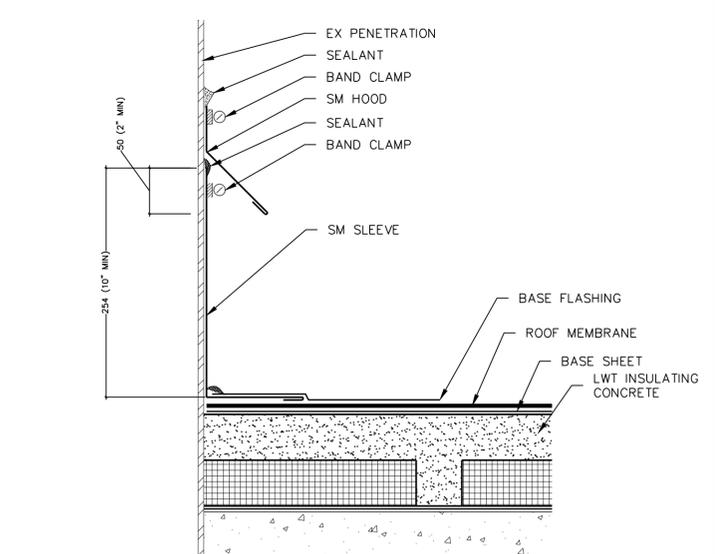
Horizontal axis: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14



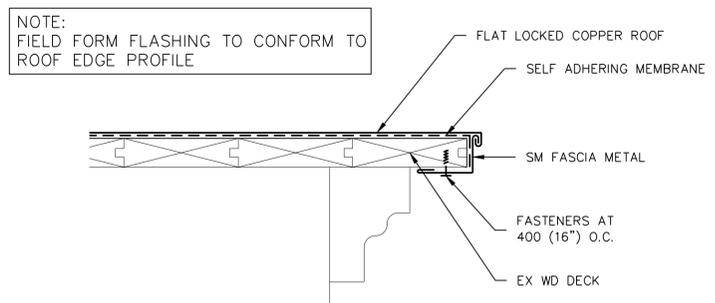
1 REGLET
504 SCALE: 1:4 (3"=1')



2 DOOR THRESHOLD
504 SCALE: 1:4 (3"=1')

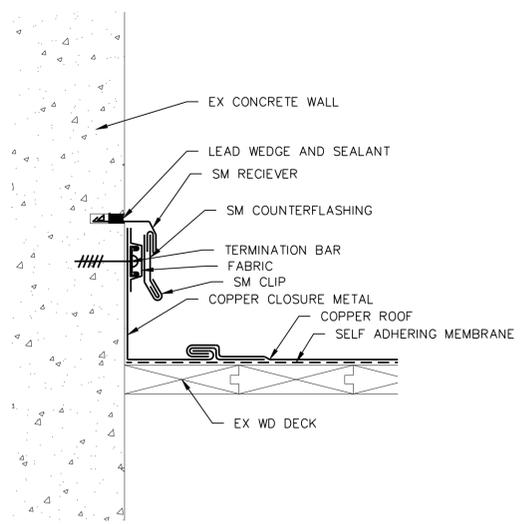


3 PIPE PENETRATION
504 SCALE: 1:4 (3"=1')

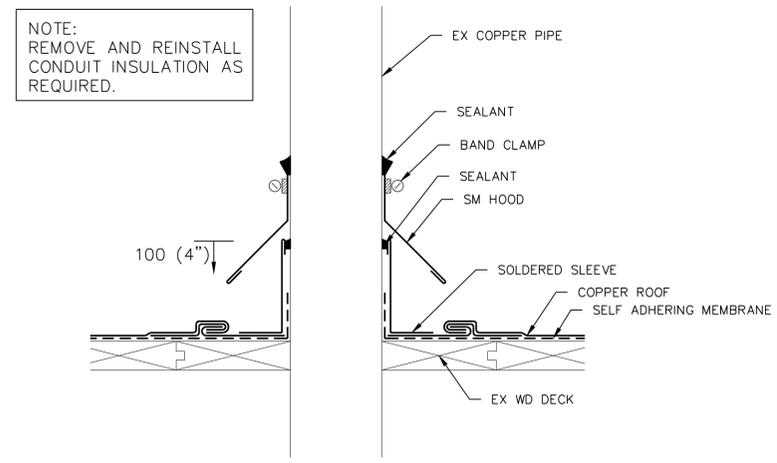


NOTE:
FIELD FORM FLASHING TO CONFORM TO
ROOF EDGE PROFILE

4 ROOF EDGE - AREA F
504 SCALE: 1:4 (3"=1')



5 ROOF TO WALL - AREA F
504 SCALE: 1:4 (3"=1')



NOTE:
REMOVE AND REINSTALL
CONDUIT INSULATION AS
REQUIRED.

6 COPPER PIPE PENETRATION
504 SCALE: 1:4 (3"=1')



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DRAWING TITLE

DETAILS NEW CONSTRUCTION

OBO Project Number	Drawing Scale	Phase
655243 CMR A5x	1:4 (3"=1')	CONCEPT
CADD File Name	CADD Plot Scale	35% 50% 60% 90% 100% FINAL
655243	1=1	

Date	9/19/2012	Sheet Number
Drawn By	MLF	A-504
Checked By	SJB	
Project Number	655243	
Classification	UNCLASSIFIED	

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