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**ADDENDUM NO. 2
 FOR
 S5K145 – CAMPBELL MS – ROOF REPLACEMENT, PHASE 2**

DATE: 9 February 2021
TO: All Prospective Contractors
FROM: Raymond Engineering–Georgia, Inc.
RE: S5K145 – Campbell MS Roof Replacement, Phase 2

THIS ADDENDUM is hereby made a part of the Bidding Documents prepared by Raymond Engineering - Georgia, Inc., entitled Campbell Middle School Roof Replacement Phase 2, located in Smyrna, GA, supersedes all similar referenced heretofore mentioned. The following items are issued to delete, add, to modify, and to clarify. These items shall have full force and effect as the Contract Documents and cost involved shall be included in the bid quotations. Please acknowledge receipt of the Addendum on Bid Form.

PERTAINING TO SPECIFICATIONS

ARCHITECTURAL		
Revise:	07 22 16– ROOF BOARD INSULATION, Paragraph 2.01/A. See attached.	Date: February 09, 2021

PERTAINING TO DRAWINGS

ARCHITECTURAL		
Delete:	Note 15, sheet A-101 and Note 13, sheet A-102.	Date: February 09, 2021

PERTAINING TO REVISION OF SPECIFICATIONS

- Revise **07 22 16 – ROOF BOARD INSULATION, Paragraph 2.01/A** to read as follows (revisions are underlined).

PART 2 – PRODUCTS

2.01 ROOF INSULATION

- A. Tapered polyisocyanurate roof insulation system; **ASTM C1289, Type II, Class 2**, Grade 2 (20 psi); HCFC-Free and Zero Ozone Depletion Potential (ODP); product type acceptable to the roofing manufacturer.
 - 1. Roof Areas Refer Project Manual:
 - a. Slope and Thickness: Refer Drawings.
 - b. Long Term Thermal Resistance (LTTR) Value: 5 minimum per inch.
 - c. Board Size:
 - 1. Insulation used as “fill” for the overlying tapered insulation system: 4-feet by 4-feet. Maximum thickness of insulation “fill” shall be 2-inches.
 - 2. Overlying tapered insulation system: 4-feet by 4-feet. Maximum thickness of tapered insulation boards shall be 2-1/2 inches.

PERTAINING TO REVISION OF DRAWINGS

- Delete Note 15, sheet A-101 and Note 13, sheet A-102.

END OF ADDENDUM NO. 2

Raymond Engineering–Georgia, Inc.



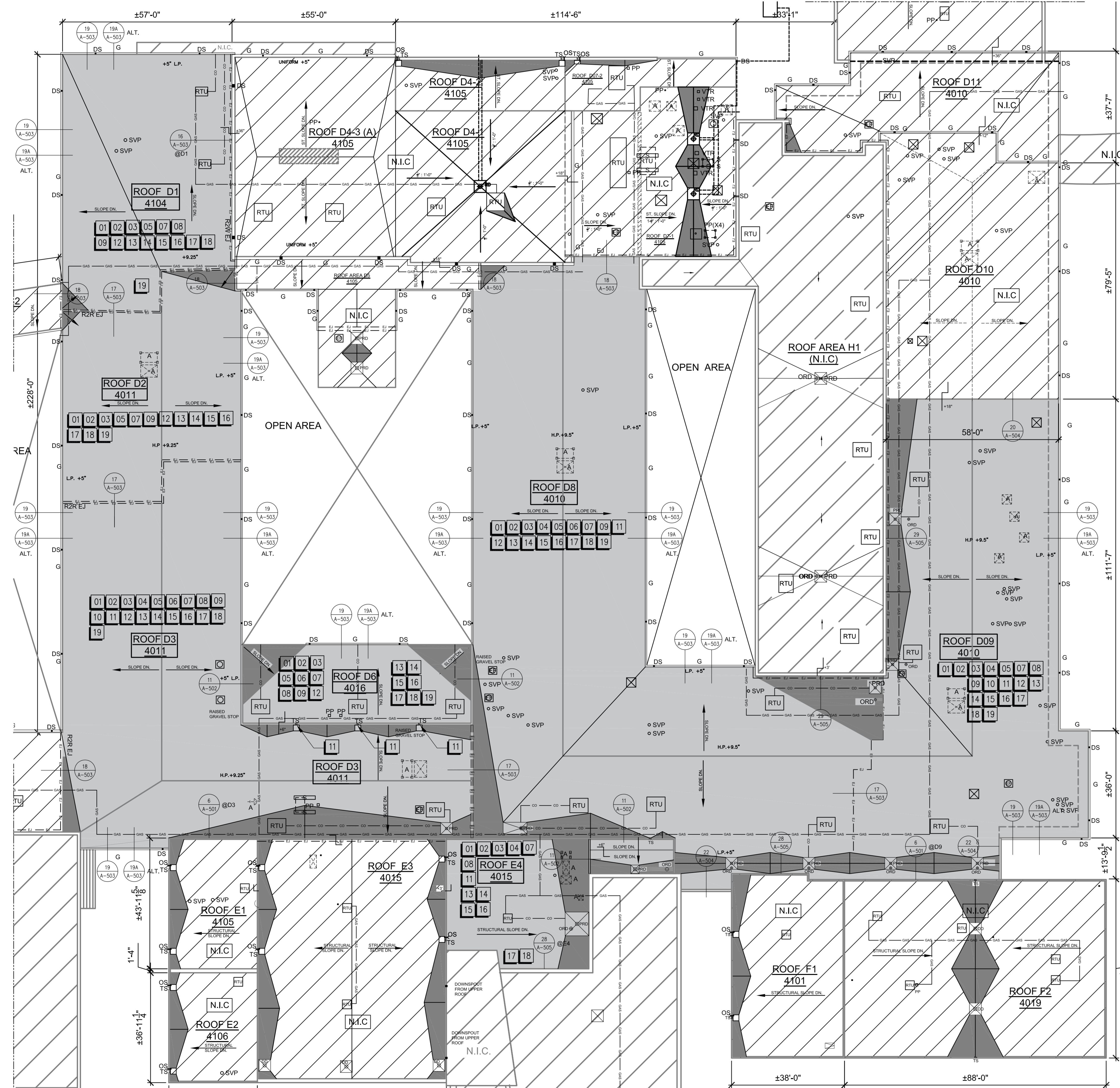
Guido X. Salas, RRC, RRO
Regional Vice President

NEW ROOF ASSEMBLY CHART

ROOF DESIGNATION	LIGHT WEIGHT CONCRETE OVER PAPER BACKED SHEET PLY	TRAVELER LIGHT WEIGHT ASPHALT BOARD OR 5/8" Gypsum Board RAISED OVER 1/2" (SEE NOTES)	PAPER BACKED OVER OTS/MS BOARD OR 5/8" Gypsum Board RAISED OVER 1/2" (SEE NOTES)	APPROVED UNDERLAYMENT BOARD	INITIAL ROOF MEMBRANE	INSULATION	COVER BOARD	ROOF MEMBRANE	SURFACING	Comments
D1	●	-	-	●	●	-	●	●	●	1/A-501
D2	●	-	-	●	●	-	●	●	●	1/A-501
D3	●	-	-	●	●	-	●	●	●	1/A-501
D6	-	●	-	●	●	-	●	●	●	2/A-501
D8	●	-	-	●	●	-	●	●	●	1/A-501
D9	●	-	-	●	●	-	●	●	●	1/A-501
E4	-	-	-	●	●	-	●	●	●	3/A-501

SPECIFIC ROOF CONSTRUCTION NOTES

ITEM	DESCRIPTION
01	INSPECT STRUCTURAL ROOF DECK PRIOR TO INSTALLATION OF NEW ROOF ASSEMBLY. NOTIFY OWNER AND ENGINEER OF RECORD OF UNSATISFACTORY CONDITIONS. DO NOT PROCEED WITH ROOFING WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN A MANNER ACCEPTABLE TO OWNER. PREPARE ROOF DECK SURFACE PER SPECIFICATION REQUIREMENTS. REFER NEW ROOF ASSEMBLY CHART AND TYPICAL ROOF ASSEMBLY DETAILS ON A/501
02	ROOFING CONTRACTOR SHALL PROVIDE SHOP DRAWING FOR CRICKET/ ROOF INSULATION LAYOUT FROM ROOFING MANUFACTURER, FOR DESIGNER TO REVIEW PRIOR TO INSTALLATION.
03	AFTER EXISTING ROOF REMOVAL, CONTRACTOR SHALL VERIFY IF THE EXISTING DECK IS FLAT OR SLOPED. IF ANY FIELD CONDITIONS VARY FROM WHAT IS SHOWN IN THE DRAWINGS, THE CONTRACTOR SHOULD NOTIFY THE DESIGNER. THE INFORMATION PROVIDED ON DRAWINGS IS BASED ON LIMITED FIELD INVESTIGATION AND INFORMATION BASED ON EXISTING DOCUMENTS.
04	MODIFY ROOF DECK AT DRAINAGE OUTLETS AS REQUIRED TO INSTALL NEW ROOF DRAIN ASSEMBLY (REFER 14/A-502). CONNECT ROOF DRAIN ASSEMBLY TO EXISTING DRAIN LINES WITH NO HUB CONNECTION. ROOF DRAIN FINAL LOCATION WILL DEPEND UPON EXISTING FRAMING CONDITIONS. ADJUST DRAIN LOCATION AND PIPE CONNECTION AS REQUIRED. CO-ORDINATE INTERIOR ACCESS WITH OWNER.
05	INSTALL PREMANUFACTURED GUTTER AND DOWNSPOUTS (REFER 19/A-503 AND 19A/A-503). MAXIMUM GUTTER DOWNSPOUT SHALL NOT EXCEED 35'. CO-ORDINATE LOCATION OF DOWNSPOUT IN FIELD. DO NOT INSTALL DOWNSPOUT IN FRONT OF DOORS OR OPERABLE WINDOWS. INSTALL EXPANSION JOINT AND ALL GUTTER ACCESSORIES PER PREMANUFACTURED GUTTER MANUFACTURER REQUIREMENTS. PREMANUFACTURED GUTTER AND DOWNSPOUTS SHALL BE WARRANTED BY ROOFING MEMBRANE MANUFACTURER.
06	ENLARGE PRIMARY SCUPPER OPENINGS. CUT OPENINGS IN MASONRY WALL TO INSTALL OVERFLOW SCUPPER (SIZE SAME AS PRIMARY). INSTALL PREMANUFACTURED SHEET METAL SCUPPER AND DOWNSPOUT. PREMANUFACTURED SCUPPER AND DOWNSPOUTS SHALL BE WARRANTED BY ROOFING MEMBRANE MANUFACTURER.
07	ALL CONDUITS, GAS LINES SHALL BE SUPPORTED ON PREMANUFACTURED SUPPORTS (REFER 25/A-505) BY MIRO OR APPROVED EQUAL. (EXACT CONDUIT, GAS LINES NOT SHOWN ON ROOF PLAN. CONTRACTOR SHALL FIELD VERIFY ALL CONDUITS AND SUPPORT REQUIREMENTS PRIOR TO SUBMITTING BID.
08	INSTALL ANSI/ SPRI ES-1 COMPLIANT PREMANUFACTURED COPING / DRIP EDGE ASSEMBLY (REFER 22/A-504 AND 20/A-504 RESPECTIVELY). PREMANUFACTURED COPINGS AND DRIP EDGE SHALL BE WARRANTED BY ROOFING MEMBRANE MANUFACTURER.
09	INSTALL PREMANUFACTURED EXPANSION JOINT SYSTEM (REFER 16/A-503 AND 17/A-503). ALL TRANSITIONS, ACCESSORIES OF EXPANSION JOINTS SHALL BE INSTALLED PER EXPANSION JOINT MANUFACTURER REQUIREMENTS. PREMANUFACTURED EXPANSION JOINT SHALL BE WARRANTED BY ROOFING MEMBRANE MANUFACTURER.
10	RE-POINT ALL BRICK MASONRY. REFER 30/A-505.
11	INSTALL 12" WIDE OPEN SCUPPER AT SPECIFIED LOCATIONS. PROVIDE SHOP DRAWINGS FOR DESIGNER OF RECORD APPROVAL.
12	PROVIDE SPLASH BLOCKS AT DOWNSPOUTS THAT ARE NOT TIED INTO STORMWATER DRAINAGE.
13	MINIMUM 22 GA SHEET METAL IS TO BE USED FOR ALL METAL ROOF EDGE CONDITIONS.
14	CONTRACTOR TO CONTACT COBB COUNTY LOW VOLTAGE CONTRACTOR - "ACL Inc." FOR CONTROLS ON MECHANICAL UNITS.
15	N/A
16	CAREFULLY REMOVE EXISTING VENTS, INSTALL PRE MANUFACTURED CURB AND RE-INSTALL EXISTING VENTS.
17	GAS LINES TO BE PAINTED YELLOW.
18	CONDENSATE LINES TO BE EXTENDED TO NEAREST DRAIN OR GUTTER. CONDENSATE LINES ARE SHOWN SCHEMATICALLY ON DRAWINGS. CONTRACTOR TO FIELD VERIFY APPROPRIATE LOCATIONS.
19	IN ORDER TO DETERMINE DECK REPLACEMENT REQUIREMENT, CONTRACTOR SHALL TEST FASTENER WITHDRAWAL RESISTANCE ON EXISTING LIGHTWEIGHT CONCRETE DECK. RESISTANCE LEVEL SHALL MEET A MINIMUM OF 40 PSF FOR THE DECK TO REMAIN IN PLACE.

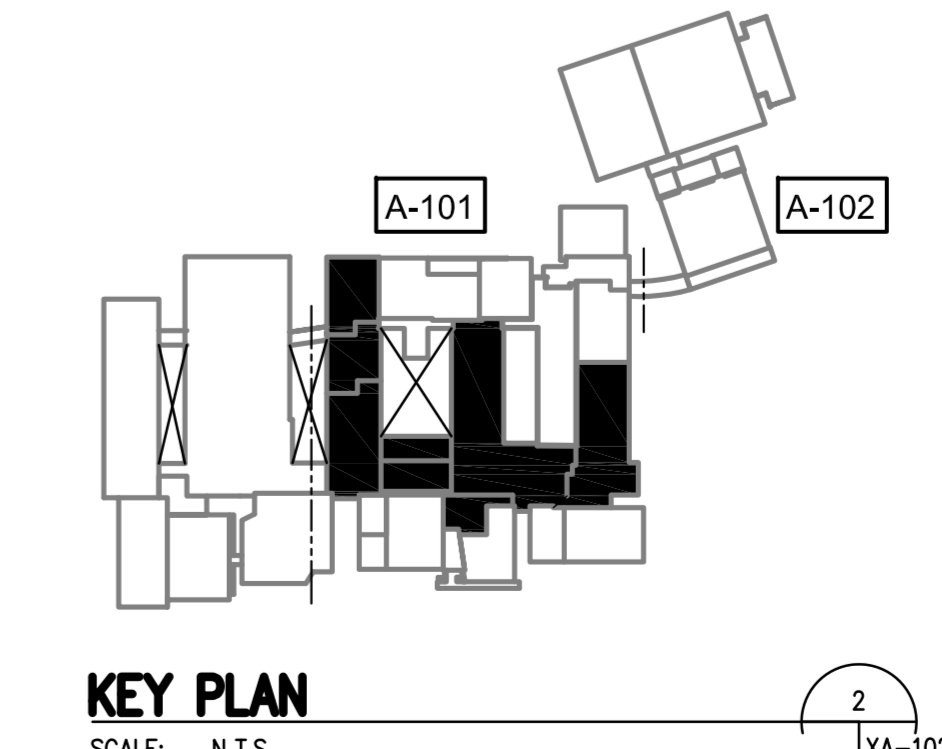


NEW ROOF PLAN

SCALE: 1/16" = 1'-0"

LEGEND

SYMBOL	DESCRIPTION	DETAIL	SYMBOL	DESCRIPTION	DETAIL
PRD	PRIMARY ROOF DRAINAGE INLET LOCATION	14/A-502	ABANDONED FRAME WORK TO BE REMOVED AND DECK INFILLED		
ORD	OVERFLOW ROOF DRAINAGE INLET LOCATION		ROOF HATCH		26/A-505
SVP	VENT PIPE	7/A-502	ABANDONED PITCH POCKET TO BE REMOVED		
G	GUTTER	19,19A/A-502	ABANDONED PITCH POCKET TO BE REMOVED		
DS	DOWNSPOUT		EQUIPMENT SUPPORT (ABANDONED)		
RTU	ROOF CONDUIT THROUGH CURB		LIGHTING		
PP	PENETRATION FLASHING	8/A-502	CAPPED PENETRATION		
TS	THRU WALL SCUPPER		CIRCULAR PENETRATION		
L	ROOF LADDER		WALL MOUNTED PENETRATION		
PV	POWER VENT		ANTENNA ON SUPPORTS		
CON	CONDUIT	25/A-505	EXPANSION JOINT		16,17/A-503
GV	GRAVITY/ MECHANICAL VENT		GAS LINE		
CL	CONDENSATE LINE		RTU	ROOF TOP UNIT (RTU)	



FACILITY CODE: 633-0290

TO THE BEST OF MY KNOWLEDGE THESE DRAWINGS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES

PROJECT AREA: COBB COUNTY PUBLIC SCHOOLS
 PROJECT NAME: CAMPBELL MIDDLE SCHOOL PARTIAL ROOF REPLACEMENT - PHASE 2
 CLIENT NO.: 1333
 CLIENT JOB NO.: SKK145
 DRAWING NO.:
 REVISION NO.:
 EOR RAYMOND RAMOS
 ENG LIC# 17968

NOTICES:
 THE INFORMATION IN THIS DOCUMENT INCORPORATES PROPRIETARY INFORMATION FROM ANY PARTY ACCEPTING THE DOCUMENT. NO SO, IN COMPLIANCE AND DEVELOPMENT TO BE USED WITHIN THE CONSENT OF THE MANUFACTURER/PROVIDER OF THE INFORMATION.

KEY PERSONS AND APPROVALS:
 DESIGN MANAGER: BRUNNEN, ANDREW MACAL
 CHECKER: GREGORY, JAMES
 PROJECT MANAGER: ROBERT M. JAWORSKI
 DATE: 01/13/2021

REVISIONS:
 NO. | DATE | DESCRIPTION OF REVISIONS

ISSUED FOR: []

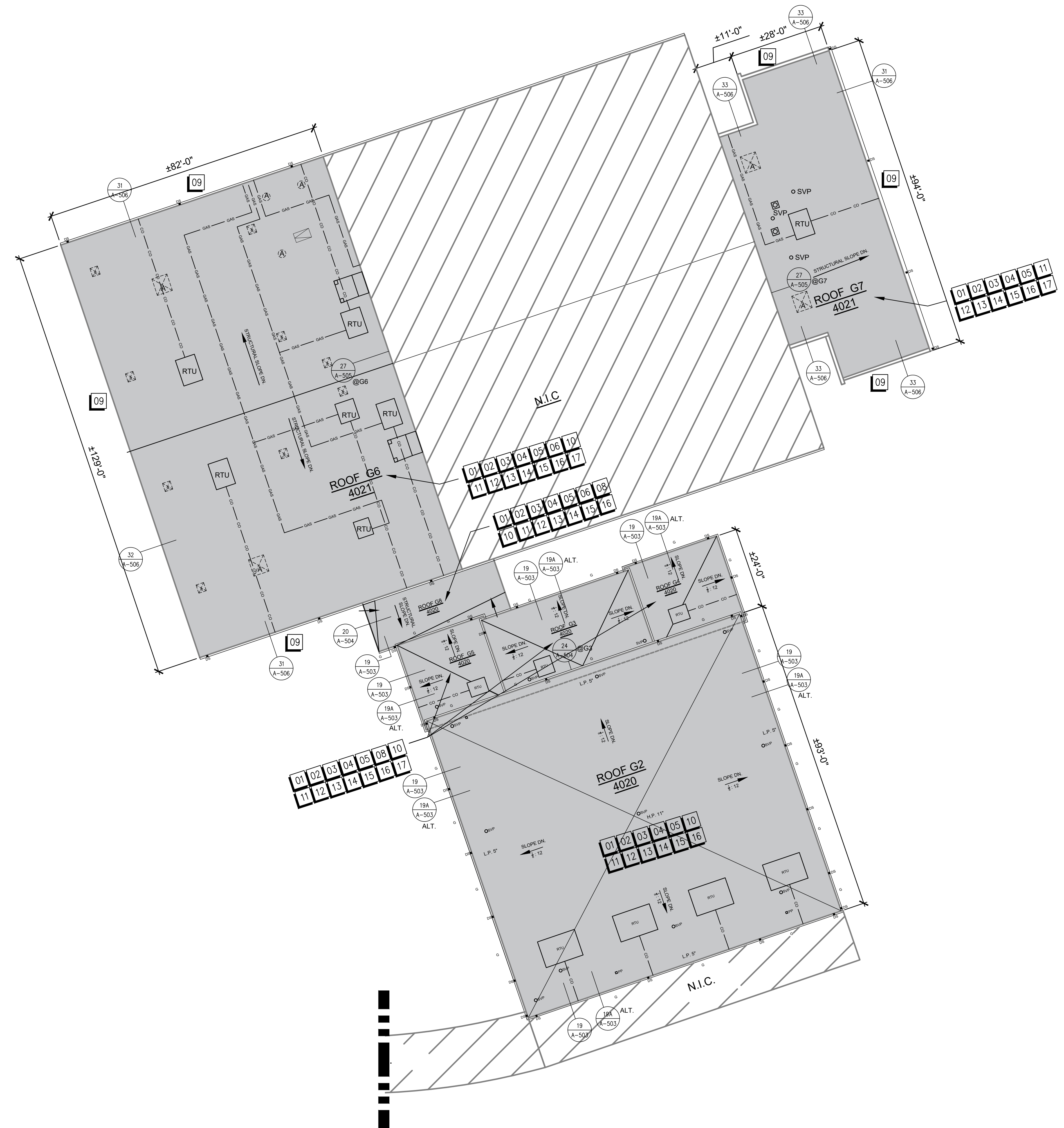
RAYMOND
 LIC. NO. RF0901327

COBB COUNTY SCHOOL DISTRICT
 3295 ATLANTA RD., SYMPHONY, GA 30080

SHEET TITLE: NEW ROOF PLAN
 A-101

NEW ROOF ASSEMBLY CHART

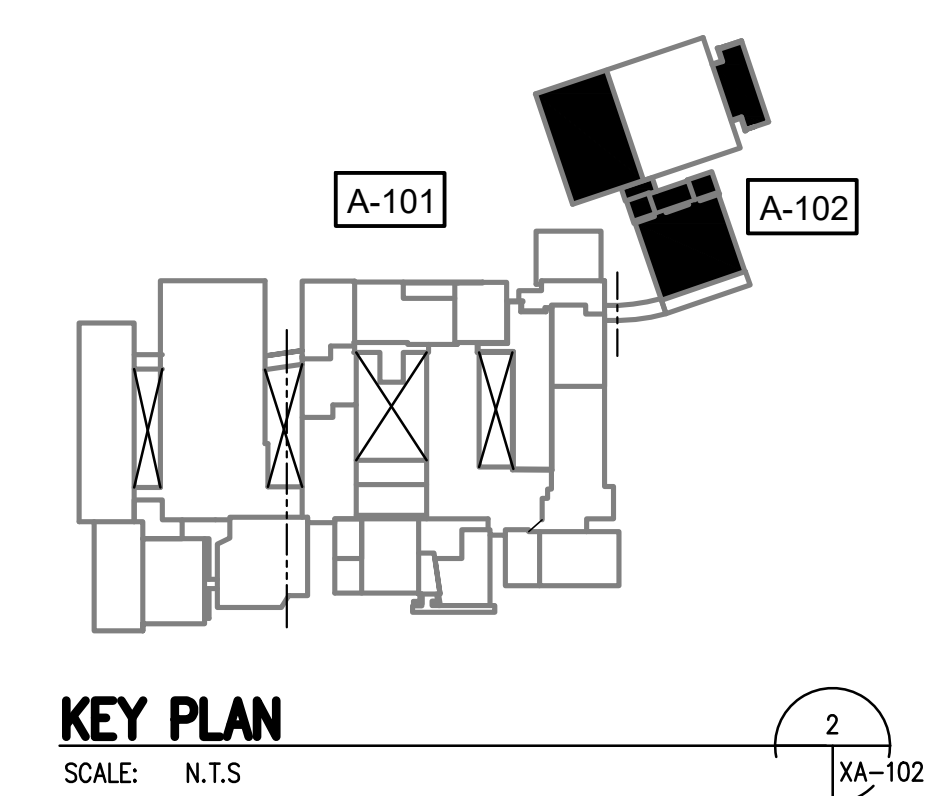
ROOF DESIGNATION	INITIAL ROOF MEMBRANE				INSULATION		COVER BOARD		ROOF MEMBRANE		SURFACING	Comments
	FLAT LIGHT WEIGHT CONCRETE	TAPERED LIGHT WEIGHT CONCRETE OVER METAL DECK	METAL DECK (SLOPED)	OPRIMUM POLY OVER OPRIMUM BOARD (FLAT)	FLAT POLYISOCYANURATE (MIN. R-25)	TAPERED POLYISOCYANURATE (MIN. R-25)	APPROVED COVERBOARD	2 PLY MODIFIED BITUMEN MEMBRANE WITH GRANULATED CAP SHEET	GRANULATED CAP SHEET MEETING COOL ROOF RATING REQUIREMENTS FOR LOW SLOPE ROOF			
G2	-	-	-	●	-	●	●	●	●	●		3/A-501
G3	●	-	-	-	-	●	●	●	●	●		1/A-501
G4	●	-	-	-	-	●	●	●	●	●		1/A-501
G5	●	-	-	-	-	●	●	●	●	●		1/A-501
G6	-	●	-	-	-	●	●	●	●	●		4/A-501
G7	-	●	-	-	-	●	●	●	●	●		4/A-501
G8	-	-	●	-	-	●	●	●	●	●		5/A-501



NEW ROOF PLAN
SCALE: 1/16" = 1'-0"

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08	RE-POINT BRICK MASONRY.
09	REMOVE EXISTING PRECAST PANELS, INSTALL CEMENT BOARD PER DETAILS 31,32,33/A-506.
10	PROVIDE SPLASH BLOCKS AT DOWNSPOUTS THAT ARE NOT TIED INTO STORMWATER DRAINAGE.
11	MINIMUM 22 ga SHEET METAL IS TO BE USED FOR ALL METAL ROOF EDGE CONDITIONS.
12	CONTRACTOR TO CONTACT COBB COUNTY LOW VOLTAGE CONTRACTOR - "ACL Inc." FOR CONTROLS ON MECHANICAL UNITS.
13	N/A
14	CAREFULLY REMOVE EXISTING VENTS, INSTALL PRE MANUFACTURED CURB AND RE-INSTALL EXISTING VENTS.
15	GAS LINES TO BE PAINTED YELLOW.
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	PP	PENETRATION FLASHING	8/A-502		CAPPED PENETRATION	
	TS	THRU WALL SCUPPER			CIRCULAR PENETRATION	
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	CON	CONDUIT	25/A-505		EXPANSION JOINT	16,17/A-503
	GV	GRAVITY/ MECHANICAL VENT			GAS LINE	
	CL	CONDENSATE LINE			ROOF TOP UNIT (RTU)	



FACILITY CODE:
633-0290

TO THE BEST OF MY KNOWLEDGE THESE DRAWINGS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

KEY PLAN
SCALE: N.T.S.

NOTICES:
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KEY PERSONS AND APPROVALS:
 DESIGNER: RAYMOND RAMOS
 PROJECT MANAGER: RAYMOND RAMOS
 DATE: 01/15/2021

REVISIONS:

NO.	DATE	DESCRIPTION OF REVISIONS
1	01/15/2021	ISSUED FOR
2	01/15/2021	ISSUED FOR

PROJECT DESIGNER FOR:
COBB COUNTY PUBLIC SCHOOLS
DUNNELL MIDDLE SCHOOL
PARTIAL ROOF REPLACEMENT - PHASE 2
3295 ATLANTA RD., SYMNERA, GA 30080

CLIENT NO.: 1333
CLIENT JOB NO.: 5K145

PROJECT TITLE:
NEW ROOF PLAN

PROJECT NO.: A-102

ISSUED FOR: EOR RAYMOND RAMOS
ENG LIC# 17968