



ADDENDUM #1

PINEVIEW ELEMENTARY SCHOOL

ROOF REPLACEMENT

TALLAHASSEE, FLORIDA

CRA PROJECT NUMBER: 16099

APRIL 12, 2017

This Addendum forms a part of the Contract Documents and modifies the original Project Manual and Drawings dated March 20, 2017 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so shall subject the bidder to disqualification. This addendum consists of one (1) page and five (5) drawing sheets.

DRAWINGS

ITEM #1-1

Sheets A1.1, A1.2, A1.3, S0.1 and E1.1

A. **REVISE:** With revisions dated 4-12-17.

END OF ADDENDUM #1

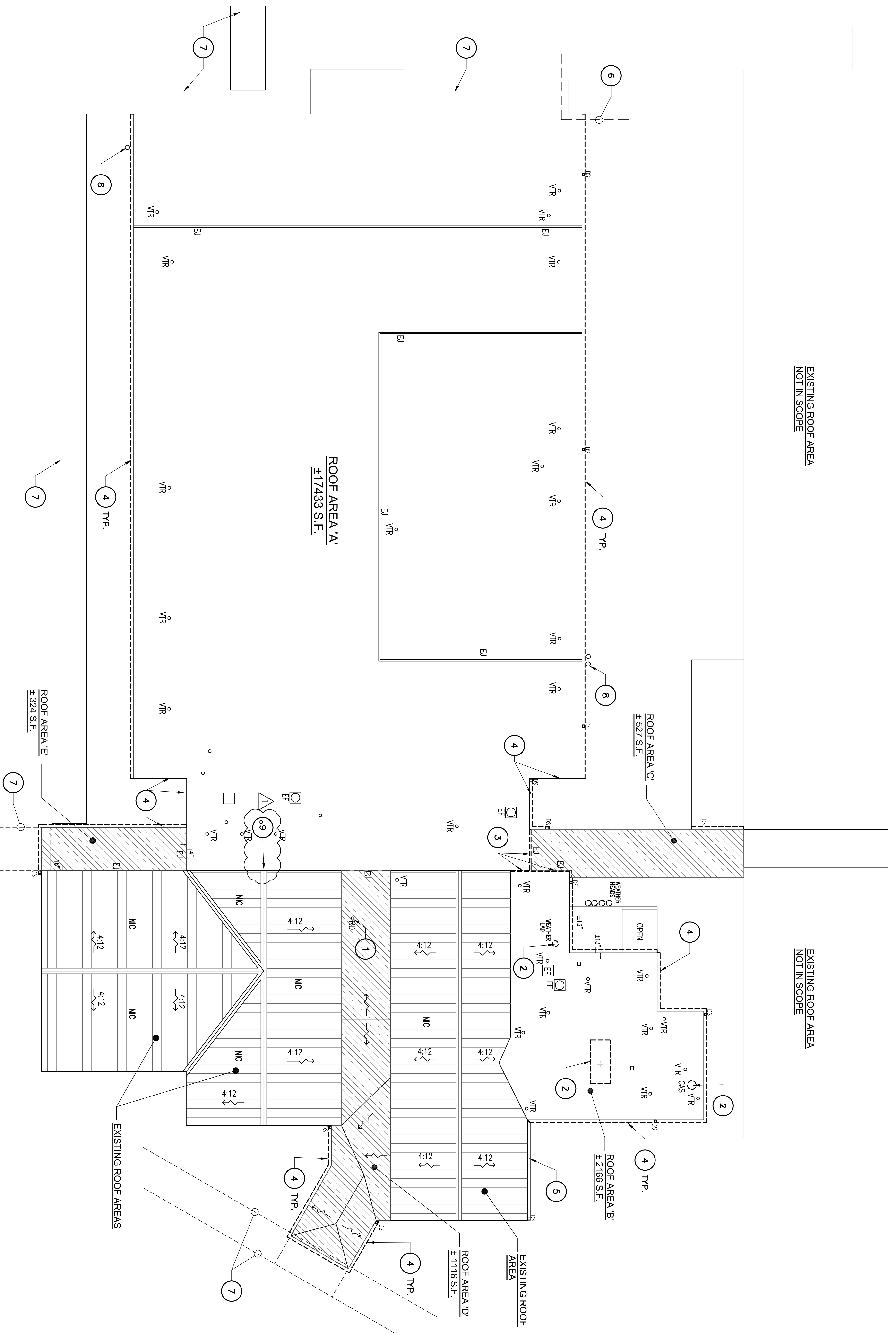
CLEMONS, RUTHERFORD & ASSOCIATES, INC.

ARCHITECTS ■ PLANNERS ■ INTERIOR DESIGNERS ■ CONSTRUCTION MANAGERS

2027 Thomasville Road, Tallahassee, FL 32308 ■ p: 850-385-6153 ■ f: 850-386-8420 ■ www.craarchitects.com

EXISTING ROOF AREA
NOT IN SCOPE

EXISTING ROOF AREA
NOT IN SCOPE



DEMOLITION ROOF PLAN
SCALE: 3/32"=1'-0"

GENERAL DEMOLITION NOTES

1. ROOFS V, AND B - THE CONTRACTOR SHALL CUT BACK AND REMOVE EXISTING EDGE METAL FLASHING, GUTTERS, DOWNSPOUTS AND MEMBRANE FLASHING FROM BUILDING PERIMETER EDGE DOWN TO EXISTING BUR MEMBRANE AND SUBSTRATE AS REQUIRED FOR SOUND BEARING FOR NEW ROOF FRAMING SYSTEM AND FLASHING. ANY EXPOSED EDGE SHALL BE SEALED WITH RUBBERIZED ASPHALT UNDERLAYMENT, ADHERED & SEALED TO PREPARED BUR SURFACE.
2. GRAVEL AND MINERAL SURFACE BUR MEMBRANE AND INSULATION ON ROOFS C, D, AND E TO BE REMOVED TO STRUCTURAL CONCRETE, LIGHTWEIGHT CONCRETE, METAL, WOOD, GYPSUM OR TECTUM ROOF DECK FOR RENOVATING. REMOVE EXISTING EDGE METAL FLASHING, WALL COPING, GUTTERS AND DOWNSPOUTS FROM ROOF PERIMETERS.
3. REMOVE UPPER PORTION OF VTR FLASHING TO ALLOW FOR EXTENSION OF VTR PIPE THROUGH STANDING SEAM METAL ROOF PANEL.
4. REMOVE ABANDONED VENTS AND EXHAUST FANS AT ALL ROOF AREAS IN SCOPE ABOVE EXISTING BUR AND CAP EXISTING CURB WITH 22 GA. GALV. SHEET METAL AND RIGID INSULATION. SEE MECH.

DEMOLITION NOTES

1. REMOVE EXISTING ROOF DRAIN DOME AND STRAINER. PROVIDE ADEQUATE PROTECTION AT DRAIN PIPING TO AVOID DAMAGE AND OBSTRUCTION IN THE RE-ROOFING PROCESS.
2. REMOVE ABANDONED EXHAUST HOOD, GAS FLEUE OR WEATHERHEAD ABOVE EXISTING BUR AND CAP EXISTING CURB WITH 22 GA. GALV. SHEET METAL AND RIGID INSULATION. SEE MECH.
3. REMOVE EXISTING EXPANSION JOINT MATERIALS TO ROOF DECK.
4. REMOVE EXISTING GUTTER, FLASHING AND DOWNSPOUTS AT BUILDING PERIMETERS.
5. EXISTING GUTTER, FLASHING AND DOWNSPOUTS TO REMAIN.
6. RAISE OR ALTER EXISTING COVERED WALKWAY FOR CLEARANCE OF NEW METAL RETIGHT ROOF INSTALLATION.
7. EXISTING COVERED WALKWAYS TO REMAIN.
8. EXISTING RADON VENT PIPING TO REMAIN. COORDINATE WITH CLEARANCE FOR NEW PREFINISHED METAL GUTTER.
9. REMOVE EXISTING VENTILATION LOUVER. EXISTING SCREEN TO REMAIN.

LEGEND

- 9a ROOF PLAN
- VTR EXISTING VENT THROUGH ROOF
- EF EXHAUST VENT FAN
- GS EXISTING GAS VENT
- EU EXPANSION JOINT
- TR PREFINISHED GUTTER AND DOWNSPOUT
- SLOPE DIRECTION
- ① DEMOLITION NOTE
- ◇ REWORKING NOTE
- TYP DETAIL LABEL (INDICATE DETAIL NO. AND SHEET NO. DRAWING)
- EIF EXISTING EDGE METAL FLASHING (INDICATE DETAIL NO. AND SHEET NO. DRAWING)
- ROOF AREA TO BE REMOVED
- ROOF AREA TO BE RENOVATED
- NOT IN SCOPE

**LEON COUNTY
SCHOOL BOARD**

**PINEVIEW
ELEMENTARY SCHOOL
ROOF
REPLACEMENT**

**2230 LAKE BRADFORD RD,
TALLAHASSEE, FL 32310**



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No liability is assumed by the architect for any errors or omissions in the drawings, specifications or contract documents, or for any consequences arising therefrom, whether or not such errors or omissions are caused in whole or in part by the negligence of the architect. The architect shall not be held responsible for any damage to property or persons, or for any consequences arising therefrom, whether or not such damage or consequences are caused in whole or in part by the negligence of the architect. The architect shall not be held responsible for any damage to property or persons, or for any consequences arising therefrom, whether or not such damage or consequences are caused in whole or in part by the negligence of the architect.

Gregory McElreath Kelly
REGISTERED ARCHITECT

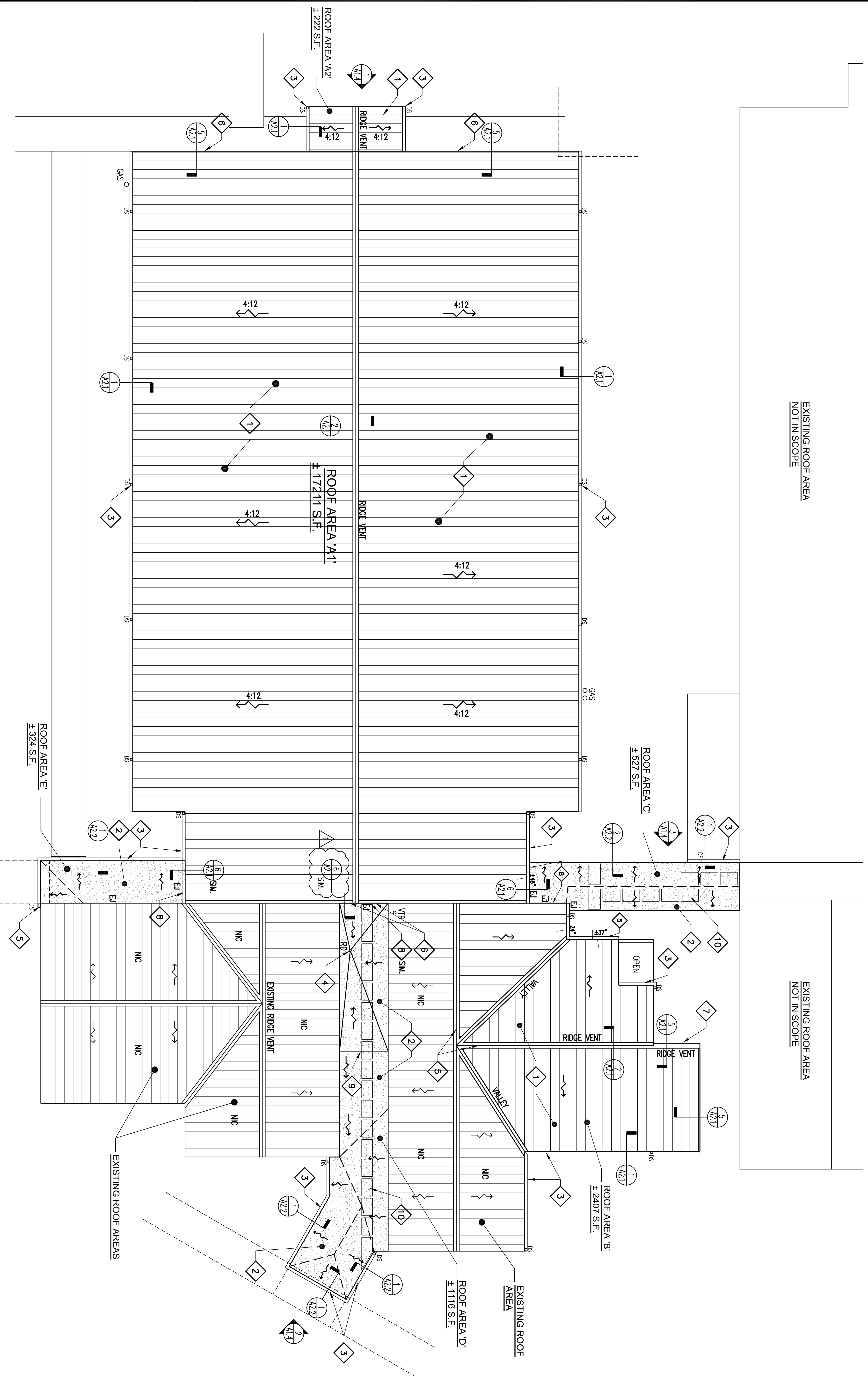
DATE	REVISIONS

DATE	BY	CHECK

CONSTRUCTION DOCUMENTS

EXISTING ROOF AREA
NOT IN SCOPE

EXISTING ROOF AREA
NOT IN SCOPE



RENOVATION ROOF PLAN - BASE BID
SCALE: 3/32"=1'-0"

ROOF VENTING CALCULATIONS - AREA A1 & A2
17,433 S.F. / 300 = 58.11 S.F. OR 8,398 SQ. IN. NFPA NEEDED 58.11 X .60 = 34.87 S.F. OR 34.87 S.F. X .44 = 15.35 SQ. IN. NFPA (LOW) 58.11 X .40 = 23.24 S.F. OR 23.24 S.F. X .44 = 10.29 SQ. IN. NFPA (HIGH)
LOW AREA WILL BE VENTED BY GABLE END WALL LOUVERS LOUVERS BY GREENHECK OR EQUAL MODEL ESD 035 OR 435-48 X48" NFVA = 83 S.F. PER LOUVER 34.9 S.F. / 83 S.F. = 4 LOUVERS NEEDED 4 LOUVERS PROVIDED = 336 S.F. NFVA PROVIDED
HIGH AREA WILL BE VENTED BY RIDGE VENTING RIDGE VENT BY COR-A-VENT - MODEL V-600 NFVA = 20 SQ. IN. PER LIN. FT. 23.2 S.F. OR 3347 SQ. IN. NFVA NEEDED 183 LIN. FT. OF VENT PROVIDED

ROOF VENTING CALCULATIONS - AREA B
2,408 S.F. / 300 = 8.03 S.F. OR 1,155 SQ. IN. NFPA NEEDED 8.03 X .60 = 4.82 S.F. OR 4.82 S.F. X .44 = 2.12 SQ. IN. NFPA (LOW) 8.03 X .40 = 3.21 S.F. OR 3.21 S.F. X .44 = 1.42 SQ. IN. NFPA (HIGH)
LOW AREA WILL BE VENTED BY GABLE END WALL LOUVER LOUVERS BY GREENHECK OR EQUAL MODEL ESD 035-38 X38 OR 435-38 X44" NFVA = 5 S.F. PER LOUVER 4.82 S.F. / 5 S.F. = 1 LOUVER NEEDED 1 LOUVER PROVIDED = 5 S.F. NFVA PROVIDED
HIGH AREA WILL BE VENTED BY RIDGE VENTING RIDGE VENT BY COR-A-VENT - MODEL V-600 NFVA = 20 SQ. IN. PER LIN. FT. 3.21 S.F. OR 462 SQ. IN. NFVA NEEDED 56 LIN. FT. OF VENT PROVIDED

- RE-ROOFING NOTES**
- 1 LIGHT GAUGE METAL FRAMING SYSTEM WITH PREFINISHED METAL ROOF AND WALL PANELS.
 - 2 INSTALL SINGLE PLY TPO MEMBRANE SYSTEM AND RIGID INSULATION (AS REQUIRED PER SPECIFICATION ASSEMBLY SYSTEM) ON EXISTING ROOF-DECK. SLOPE MINIMUM PER MANUFACTURER'S RECOMMENDATIONS AND EXISTING FBC SECTION 708.
 - 3 INSTALL NEW PREFINISHED METAL ROOF-GUTTERS, DOWNSPOUT AND SPASH-BLOCKS. COORDINATE WITH WALL MOUNTED HVAC BARD UNITS BELOW. MATCH EXISTING ADJACENT GUTTER / DOWNSPOUTS AS REQUIRED.
 - 4 PROVIDE AND INSTALL NEW DRAIN DOWNS AND STRAINER COVERS OR RETROFIT DRAIN AT EXISTING ROOF DRAIN. SEE DETAIL 3 or 4 / A2.2.
 - 5 NEW ROOF- RIDGE TO MATCH HEIGHT OF EXISTING RIDGE.
 - 6 LOUVERED ACCESS PANELS AT GABLE END WALLS. TOTAL QUANTITY 4 - 2 AT EACH GABLE END. ONE LOUVERED PANEL AT EACH GABLE END SHALL BE HINGED AND LOCKABLE FOR ATTIC AREA ACCESS.
 - 7 LOUVERED ACCESS PANELS AT GABLE END WALL. TOTAL QUANTITY 1. LOUVER SHALL BE HINGED AND LOCKABLE FOR ATTIC AREA ACCESS.
 - 8 EXPANSION JOINT. SEE DETAIL 6 / A2.1, SIMILAR.
 - 9 LOW SLOPE TRANSITION RIDGE TO BE NO HIGHER THAN TO EXCEED STORM WATER DRAINAGE CAPACITY OF EXISTING ROOF DRAIN AND EXISTING ROOF LOADING.
 - 10 WALKWAY PADS

GENERAL ROOF RENOVATION NOTES - BASE BID

1. INSTALL NEW LIGHT GAUGE STRUCTURAL METAL FRAMING SYSTEM OVER EXISTING ROOFING SYSTEM. ANCHOR NEW FRAMING THROUGH BUR ROOFING INSULATION AND ROOF DECK SYSTEM TO THE EXISTING ROOF- STRUCTURE. BRACING LIGHT GAUGE METAL FRAMING AND BLOCKING AND HAT CHANNEL RUNNERS FOR P530 AND METAL WALL PANELS. BRACE AND ANCHOR SYSTEM TO MEET WIND LOAD. THE LIGHT GAUGE METAL ROOF FRAMING SYSTEM, ROOF AND WALL PANEL FASTENING SYSTEM SHALL BE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA.
2. RAISE V/TIE PIPES TO MIN 8" ABOVE NEW ROOF ELEVATION. ANCHOR AND BRACE TO FRAMING. CONTRACTOR TO JOIN ADJACENT PLUMBING RISER VENTS TO A LARGER COMMON V/TIE AS ALLOWED BY CODE AND MAKE A SINGLE PENETRATION IN THE NEW ROOF IN THE CENTER OF A ROOF PANEL.
3. INSTALL STANDING SEAM METAL ROOFING PANELS, SIDING, GABLE WALL PANELS, RAKE GUTTERS, DOWNSPOUTS, TRIM WORK, LOUVERS, VENTS, CURBS AND ACCESSORIES AS REQUIRED. INSTALL UNFACED GLASS FIBER BLENKET INSULATION OVER EXISTING ROOF.
4. INSTALL GABLE MOUNTED LOUVERED ACCESS PANELS WITH STAINLESS STEEL KEYED CAM LOCK AND STAINLESS STEEL PLANO HINGE AT ALL LOCATIONS LABELED 1 LOUVERED ACCESS PANEL.
5. INSTALL PREFINISHED METAL GUTTERS AND DOWNSPOUTS AT PERIMETER OF ROOFS AS SHOWN. INSTALL HINGED ALUMINUM LEAF GUARD OVER ALL GUTTERS. INSTALL CONCRETE SPASH PAD ON GRAVEL SHELL BED AT EACH DOWNSPOUT. COORDINATE DOWNSPOUT LOCATIONS WITH WALL MOUNTED HVAC BARD UNITS BELOW.
6. ROOFING MANUFACTURER TO PROVIDE SPECIFIED WEATHERIGHT AND FINISH WARRANTY TO INCLUDE METAL ROOF-PANELS, METAL WALL PANELS, FLASHING AND ROOFING ACCESSORIES.
7. SEE EXISTING ROOF PLAN FOR EXISTING EXPANSION JOINT LOCATIONS. CONTRACTOR TO FIELD VERIFY ALL LOCATIONS.

GENERAL ROOF RENOVATION NOTES - BASE BID

- ROOF AREAS C, D & E
1. AFTER TEAR-OUT OF EXISTING MINERAL AND GRAVEL SURFACE BUR ROOFING MEMBRANE, INSULATION AND FLASHING, CLEAN THE EXISTING ROOF-DECK SURFACE. CONTRACTOR SHALL REPLACE ALL DETERIORATED ROOF-WALTERS AND BLOCKING WITH NEW P.I. WOOD WALTERS AND BLOCKING TO MATCH EXISTING.
 2. AFTER TEAR-OUT OF EXISTING MINERAL AND GRAVEL SURFACE ROOFING MEMBRANE, INSULATION, AND FLASHING, CLEAN THE EXISTING STRUCTURAL TENDUM, WOOD DECKING, POLURED GYPSUM OR LIGHTWEIGHT CONCRETE DECK SURFACE AND ALLOW DAMP AREAS TO DRY AS LONG AS POSSIBLE PRIOR TO COVERING WITH BASE SHEET MEMBRANE. CUT OUT DETERIORATED PORTION OF LIGHTWEIGHT CONCRETE, GYPSUM DECK, WOOD DECKING FRAMING OR TENDUM DECKING AS REQUIRED. REPLACE AND PATCH DECK TO MATCH EXISTING.
 3. INSTALL PRESSURE TREATED 2X WOOD WALKWAY BLOCKING ALONG EDGES OF ROOFS AND CURBS AS REQUIRED AND DETAILED FOR INSULATION SYSTEM, IF REQUIRED BY SPECIFICATIONS ASSEMBLY SYSTEM.
 4. INSTALL INSULATION SYSTEM AS REQUIRED PER SPECIFICATIONS ROOF ASSEMBLY SYSTEM. INSTALL MINIMUM SLOPE PER EXISTING FBC. MATCH EXISTING THICKNESS AS REQUIRED. INSTALL TO MEET WIND UPLIFT CLASSIFICATION.
 5. INSTALL TPO MEMBRANE ROOF SYSTEM ACCORDING TO ROOFING MANUFACTURER'S SPECIFICATIONS AND REQUIREMENTS.
 6. INSTALL SOLDERED STAINLESS STEEL FLASHING AT ALL ROOF PENETRATIONS, LEAD PAN FLASHING AT ALL ROOF DRAINS, LEAD BOOT FLASHING AT ALL VTRS, SOLDERED STAINLESS STEEL COUPLING BOOT FLASHING AND UMBRELLA FLASHING AT ALL EQUIPMENT LEGS, PIPE, DUCT, AND CONDUNIT PENETRATIONS, AND BOOT FLASHING. INSTALL NEW STAINLESS STEEL BOLTS.
 7. INSTALL TPO MEMBRANE FLASHING SYSTEM UP CLEANED AND PRIMED WALLS, PARAPETS AND EQUIPMENT CURBS. COMPLY WITH ROOFING MANUFACTURER'S SPECIFICATIONS AND REQUIREMENTS. PROVIDE TERMINATION BAR ON WALLS AND CURBS AT TOP EDGE OF MEMBRANE FLASHING AND SEAL AS PER MANUFACTURER'S REQUIREMENTS.
 8. INSTALL COUNTERFLASHING OVER TERMINATION BAR AND WALL OR CURB BASE FLASHING. FASTEN AND SEAL TOP FLANGE TO WALL AS PER MANUFACTURER'S REQUIREMENTS.
 9. INSTALL TPO WALKWAY PROTECTION BOARDS AS RECOMMENDED BY MANUFACTURER. INSTALL WALKWAY PROTECTION BOARDS IN SHORT SECTIONS TO PROVIDE UNRESTRICTED WATER DRAINAGE.

LEGEND

- 9a ROOF PLAN
- VR EXHAUST VENT THROUGH ROOF
- EM EXHAUST VENT PAN
- GS EXISTING GAS VENT
- EU EXPANSION JOINT
- LD LOUVERED GUTTER AND DOWNSPOUT
- SD SLOPE DIRECTION
- RE REVISION NOTE
- RD REVISION NOTE
- RD DETAIL LARGER
- RD DETAIL LARGER (INDICATE SHEET NO. AND SHEET NO. DRAWING)
- RD ELEVATION WALKWAY (INDICATE SHEET NO. AND SHEET NO. DRAWING)
- RD ROOF AREA TO BE REMOVED
- RD ROOF AREA TO BE REROOFED
- WD W/IT IN CONFORMANCE

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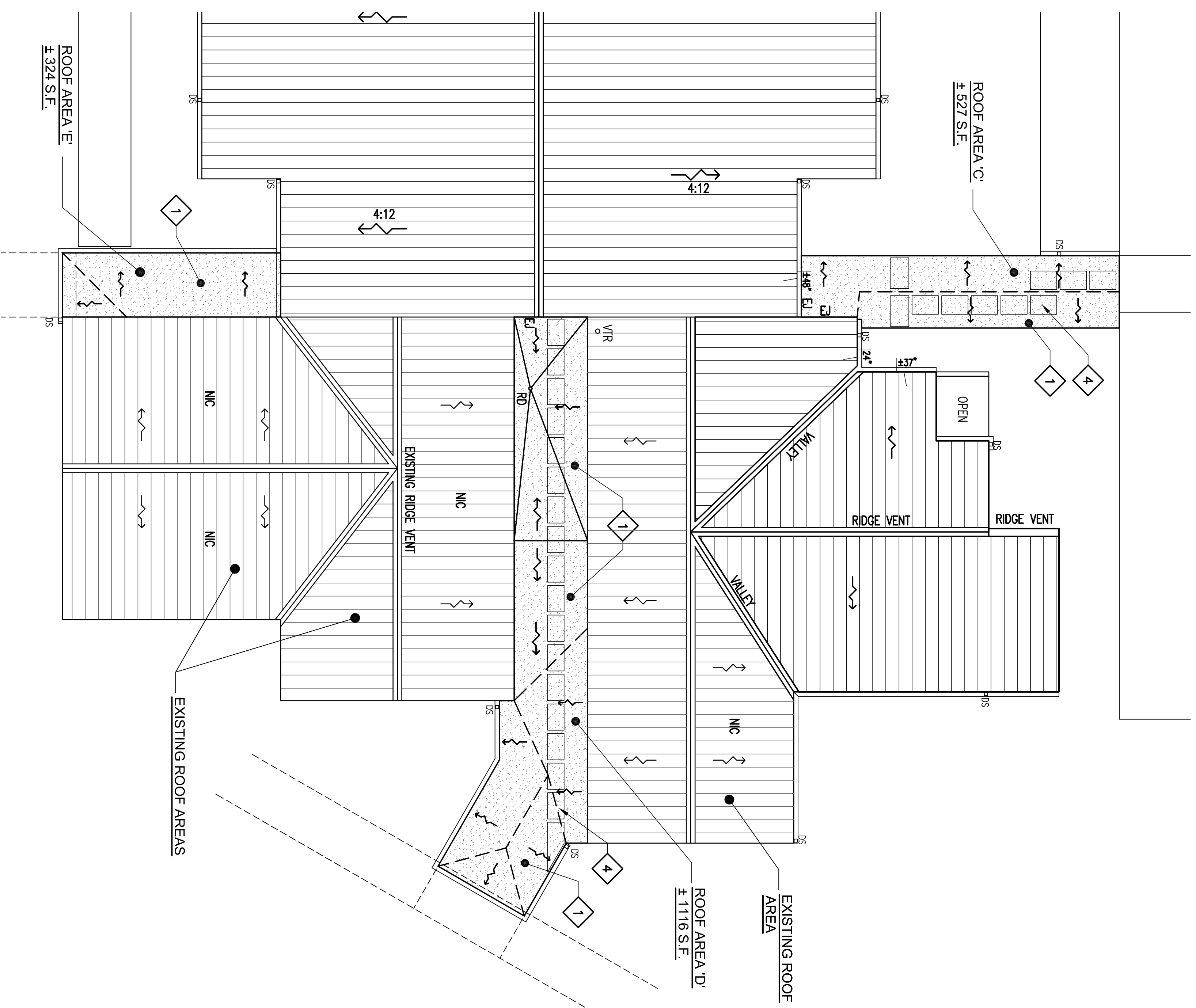
By Submitting this drawing to the Leon County School Board, the Contractor certifies that the work shown on this drawing is in accordance with the specifications and requirements of the contract documents. The Contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The Contractor shall also be responsible for obtaining all necessary insurance and bonding. The Contractor shall be responsible for obtaining all necessary approvals from the appropriate authorities. The Contractor shall be responsible for obtaining all necessary approvals from the appropriate authorities.

Gearty Mechanical Key

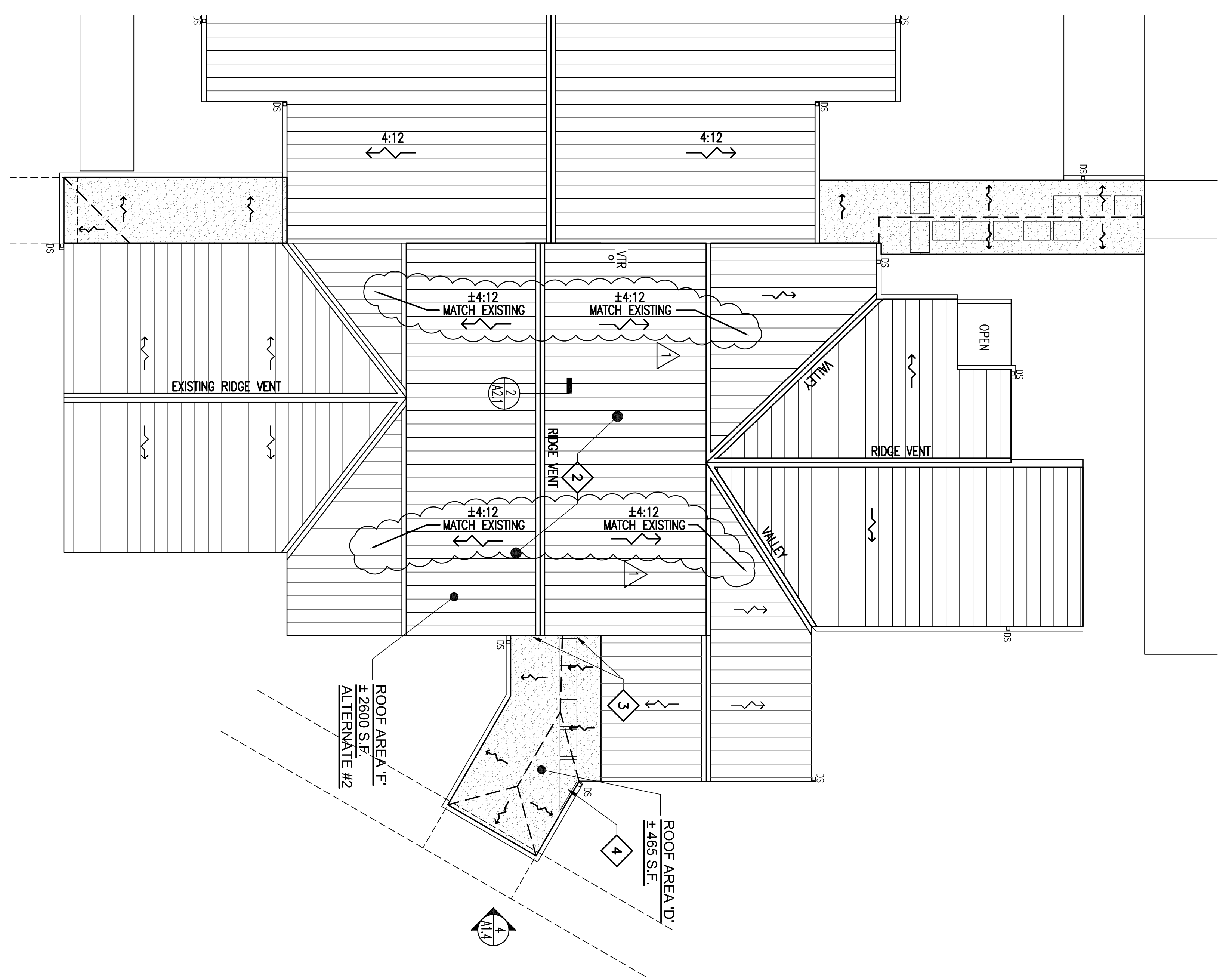
NO.	DATE	DESCRIPTION
1	12-23-23	ISSUED FOR BIDDING

**CONSTRUCTION
DOCUMENTS**

A1.2
of



RENOVATION ROOF PLAN - ALTERNATE #1
SCALE: 3/32"=1'-0"



RENOVATION ROOF PLAN - ALTERNATE #2
SCALE: 3/32"=1'-0"

RE-ROOFING NOTES

- 1. INSTALL MODIFIED BITUMEN MEMBRANE SYSTEM, RIGID INSULATION AND BASE SHEET AS PER SPECIFICATIONS ASSEMBLY SYSTEM ON EXISTING ROOF DECK. SLOPE MINIMUM PER MANUFACTURERS RECOMMENDATIONS, SPECIFICATIONS AND EXISTING FBC SECTION 708 (ALTERNATE #1)
- 2. LIGHT GAUGE METAL FRAMING SYSTEM WITH PREFINISHED METAL ROOF AND WALL PANELS (ALTERNATE #2)
- 3. LOUVERED ACCESS PANELS AT GABLE END WALLS (ALTERNATE #2) TOTAL QUANTITY 4 - 2'x1' EACH GABLE END. ONE LOUVERED PANEL AT EACH GABLE END SHALL BE HINGED AND LOCKABLE FOR ATTIC AREA ACCESS.
- 4. WALKWAY PADS

ROOF VENTING CALCULATIONS - AREA A1, A2 + F

20,033 S.F. / 300 = 66.8 S.F. OR 93.6 SQ. IN. NFPA NEEDED
 66.8 X .60 = 40 S.F. OR 40 S.F. X .44 = 17.6 SQ. IN. NFPA (LOW)
 66.8 X .40 = 27 S.F. OR 27 S.F. X .44 = 11.9 SQ. IN. NFPA (HIGH)

LOW AREA WILL BE VENTED BY GABLE END WALL LOUVERS
 LOUVERS BY GREENHECK OR EQUAL
 MODEL ESD 636 - 48X52"
 NFPA = 10.3 S.F. PER LOUVER
 40 S.F. / 10.3 S.F. = 4 LOUVERS NEEDED
 4 LOUVERS PROVIDED = 41.2 S.F. NFPA PROVIDED

HIGH AREA WILL BE VENTED BY RIDGE VENTING
 27 S.F. OR 3888 SQ. IN. NFPA NEEDED
 241 LIN. FT. OF VENT PROVIDED

GENERAL ROOF RENOVATION NOTES - ALTERNATE #1

1. AFTER TEAR OFF OF EXISTING MINERAL AND GRAVEL SURFACE BUR ROOFING MEMBRANE, INSULATION AND FLASHING, CLEAN THE EXISTING ROOF DECK SURFACE. CONTRACTOR SHALL REMOVE ALL DETRIBUTED ROOF WALLETS AND BLOCKING WITH NEW P.T. WOOD WALLETS AND BLOCKING TO MATCH EXISTING.
2. AFTER TEAR OFF OF EXISTING MINERAL AND GRAVEL SURFACE ROOFING MEMBRANE, INSULATION, AND FLASHING, CLEAN THE EXISTING STRUCTURAL TECH. WOOD DECKING. POURED CONCRETE OR LIGHTWEIGHT CONCRETE DECK SURFACE AND ALLOW DAMP AREAS TO DRY AS LONG AS POSSIBLE PRIOR TO COVERING WITH BASE SHEET MEMBRANE. CUT OUT DETRIBUTED PORTION OF LIGHTWEIGHT CONCRETE, GYPSUM DECK, WOOD DECKING, FRAMING OR TECTUM DECKING AS REQUIRED. REPLACE AND PATCH DECK TO MATCH EXISTING.
3. INSTALL PRESSURE TREATED 2X WOOD WALKER BLOCKING ALONG EDGES OF ROOFS AND CURBS, AS REQUIRED AND DETAILED FOR INSULATION SYSTEM, IF REQUIRED BY SPECIFICATIONS ASSEMBLY SYSTEM.
4. INSTALL INSULATION SYSTEM AS REQUIRED PER SPECIFICATIONS ROOF ASSEMBLY SYSTEM. INSTALL MINIMUM SLOPE PER EXISTING FBC. MATCH EXISTING THICKNESS AS REQUIRED. INSTALL TO MEET WIND UPLIFT CLASSIFICATION.
5. INSTALL A MODIFIED BITUMEN MEMBRANE ROOF SYSTEM ACCORDING TO ROOFING MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
6. INSTALL SOLDERED STAINLESS STEEL FLASHING AT ALL ROOF PENETRATIONS, LEAD PAINT FLASHING AT ALL ROOF DRAINS, LEAD BOOT FLASHING AT ALL VENTS, SOLDERED STAINLESS STEEL COPULING BOOT FLASHING AND UMBRELLA FLASHING AT ALL EQUIPMENT LEAKS, PIPE, DUCT, AND CONDUIT PENETRATIONS, AND BOOT FLASHING. INSTALL NEW STAINLESS STEEL BOULTS.
7. CONTRACTOR SHALL PERFORM A WATER DRAINAGE TEST BEFORE THE INSTALLATION OF O.P. SHEETS.
8. INSTALL MODIFIED BITUMEN MEMBRANE FLASHING SYSTEM UP CLEANED AND PAVED WALLS, PARAPETS AND EQUIPMENT CURBS. COMPLY WITH ROOFING MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS. PROVIDE TERMINATION BAR ON WALLS AND CURBS AT TOP EDGE OF MEMBRANE FLASHING AND SEAL TOP AS PER MANUFACTURER'S REQUIREMENTS.
9. INSTALL COUNTERFLASHING OVER TERMINATION BAR AND WALL OR CURB BASE FLASHING. FASTEN AND SEAL TOP FLANGE TO WALL AS PER MANUFACTURER'S REQUIREMENTS.
10. INSTALL MANUFACTURER'S WALKWAY PROTECTION BOARDS AS RECOMMENDED BY MANUFACTURER. INSTALL WALKWAY PROTECTION BOARDS IN SHORT SECTIONS TO PROVIDE UNITS IN/OUT WATER DRAINAGE.

GENERAL ROOF RENOVATION NOTES - ALTERNATE #2

1. INSTALL NEW LIGHT GAUGE STRUCTURAL METAL FRAMING SYSTEM OVER EXISTING ROOFING SYSTEM. ANCHOR NEW FRAMING THROUGH BUR ROOFING INSULATION AND ROOF DECK SYSTEM TO THE EXISTING ROOF. STRUCTURE INSTALL STEEL GALVANIZED SHOES, GALVANIZED STUDS, PURLINS, RAFTERS, BRACING, LIGHT GAUGE METAL FRAMING AND BLOCKING, AND HAT CHANNEL RUNNERS FOR FASCIA AND METAL WALL PANELS. BRACE AND ANCHOR SYSTEM TO MEET WIND LOAD. THE LIGHT GAUGE METAL ROOF FRAMING SYSTEM, ROOF AND WALL PANEL FASTENING SYSTEM SHALL BE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA.
2. RAISE V.T.E PIPES TO MIN. 6" ABOVE NEW ROOF ELEVATION. ANCHOR AND BRACE TO FRAMING. CONTRACTOR TO JOIN ADJACENT PLUMBING RISER VENTS TO A LARGER COMMON V.T.E. AS ALLOWED BY CODE AND MAKE A SINGLE PENETRATION IN THE NEW ROOF IN THE CENTER OF A ROOF PANEL.
3. INSTALL STANDING SEAM METAL ROOFING PANELS SINGING GABLE WALL PANELS. RAKE GUTTERS, DOWNSPOUTS, TRIM WORK, LOUVERS, VENTS, CURBS AND ACCESSORIES AS REQUIRED. INSTALL 2" VINYL FACED GLASS FIBER BLANKET INSULATION OVER ROOF, FASCIA AND GABLE END WALL FRAMING. SEAL ALL SEAMS BETWEEN INSULATING BLANKETS.
4. INSTALL GABLE MOUNTED LOUVERED ACCESS PANELS WITH STAINLESS STEEL KEVENOL LOCK AND STAINLESS STEEL PIANO HINGE AT ALL LOCATIONS LABELED 'LOUVERED ACCESS PANEL'.
5. INSTALL PREFINISHED METAL GUTTERS AND DOWNSPOUTS AT PERIMETER OF ROOFS AS SHOWN. INSTALL HINGED ALUMINUM LEAF GUARD OVER ALL GUTTERS. INSTALL CONCRETE SPASH PAD ON GRAVEL SHELL BED AT EACH DOWNSPOUT. COORDINATE DOWNSPOUT LOCATIONS WITH WALL MOUNTED HVAC BARD UNITS BELOW.
6. ROOFING MANUFACTURER TO PROVIDE SPECIFIED 20 YEAR WEATHERTIGHT AND FINISH WARRANTY TO INCLUDE METAL ROOF PANELS, FLASHING AND ROOFING ACCESSORIES.

LEGEND

	ROOF DRAIN
	EXISTING VENT THROUGH ROOF
	EXHAUST VENT FAN
	EXISTING GAS VENT
	EXPANSION JOINT
	LOUVERED GUTTER AND DOWNSPOUT
	SLOPE DIRECTION
	REDDUNDANT NOTE
	REDDUNDANT NOTE
	DETAIL LABEL (MATCH SHEET NO. AND SHEET NO. DRAWING)
	ELEMENT LABEL (MATCH SHEET NO. AND SHEET NO. DRAWING)
	ROOF AREA TO BE RENOWNED
	ROOF AREA TO BE RENOWNED
	NOTE IN COMMENTS

LEON COUNTY SCHOOL BOARD

PINEVIEW ELEMENTARY SCHOOL ROOF REPLACEMENT

2230 LAKE BRADFORD RD. TALLAHASSEE, FL 32310



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Organ: **Westwood Key**
 MO01606

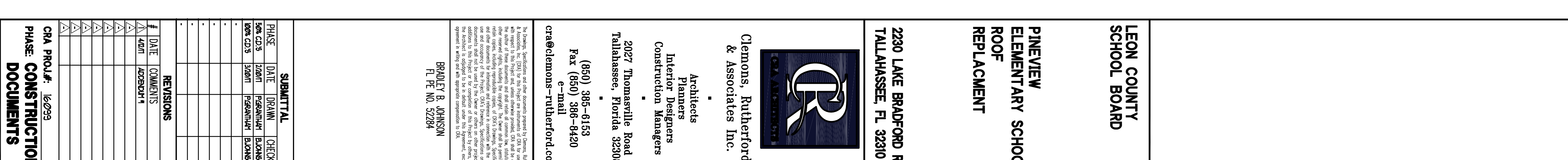
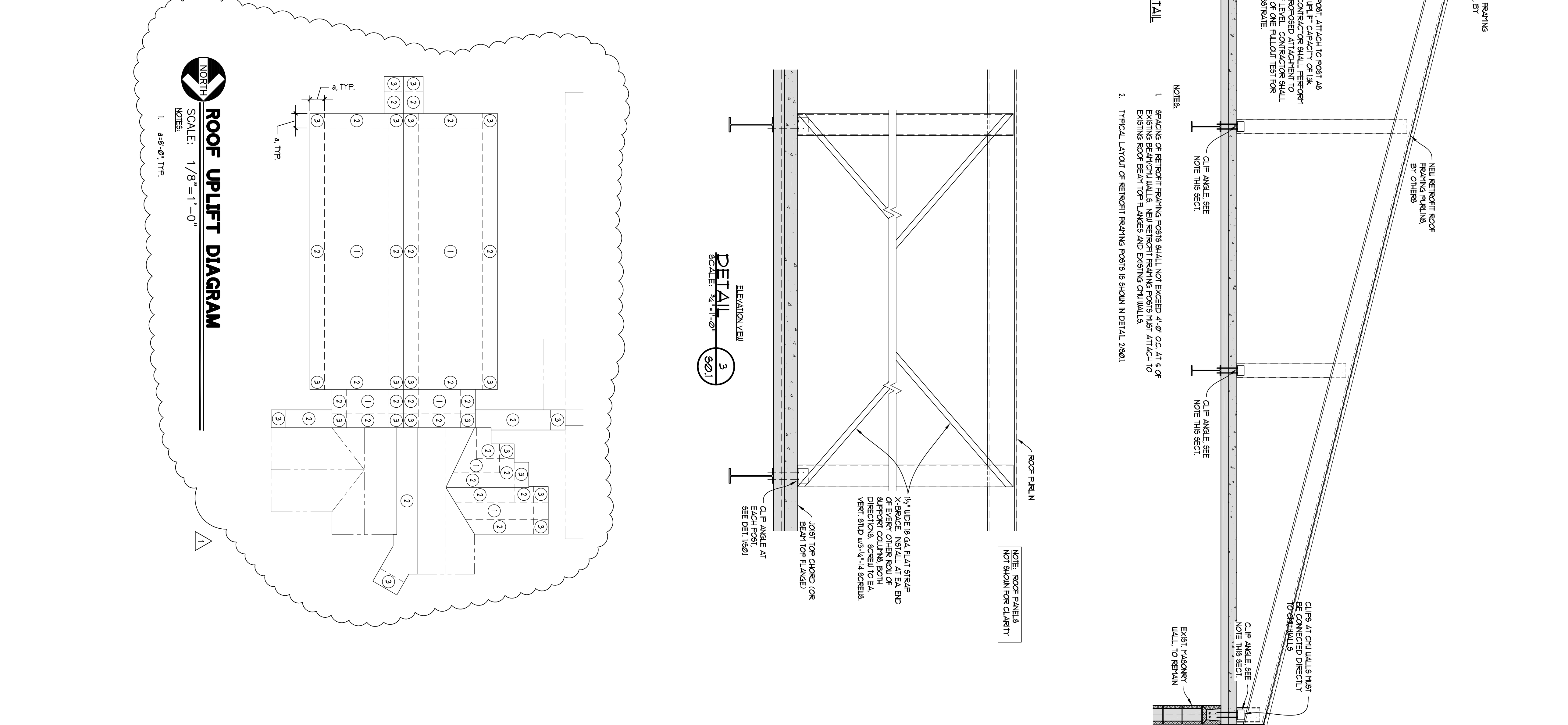
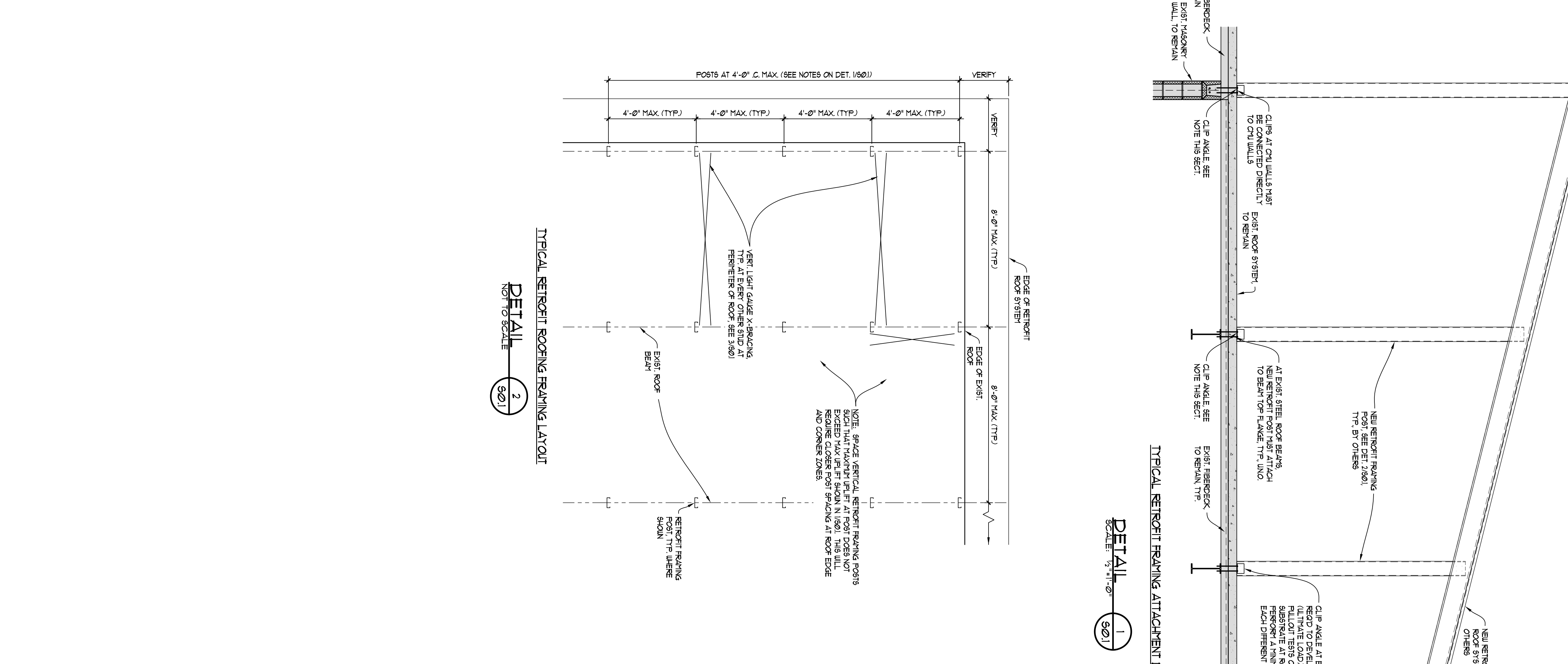
NO.	DATE	COMMENTS
1	10/21/20	ISSUED FOR BIDDING
2	10/21/20	REVISIONS

GENERAL STRUCTURAL NOTES

- GENERAL
1. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION MANUAL OR CODE...
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS...
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS...
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS...

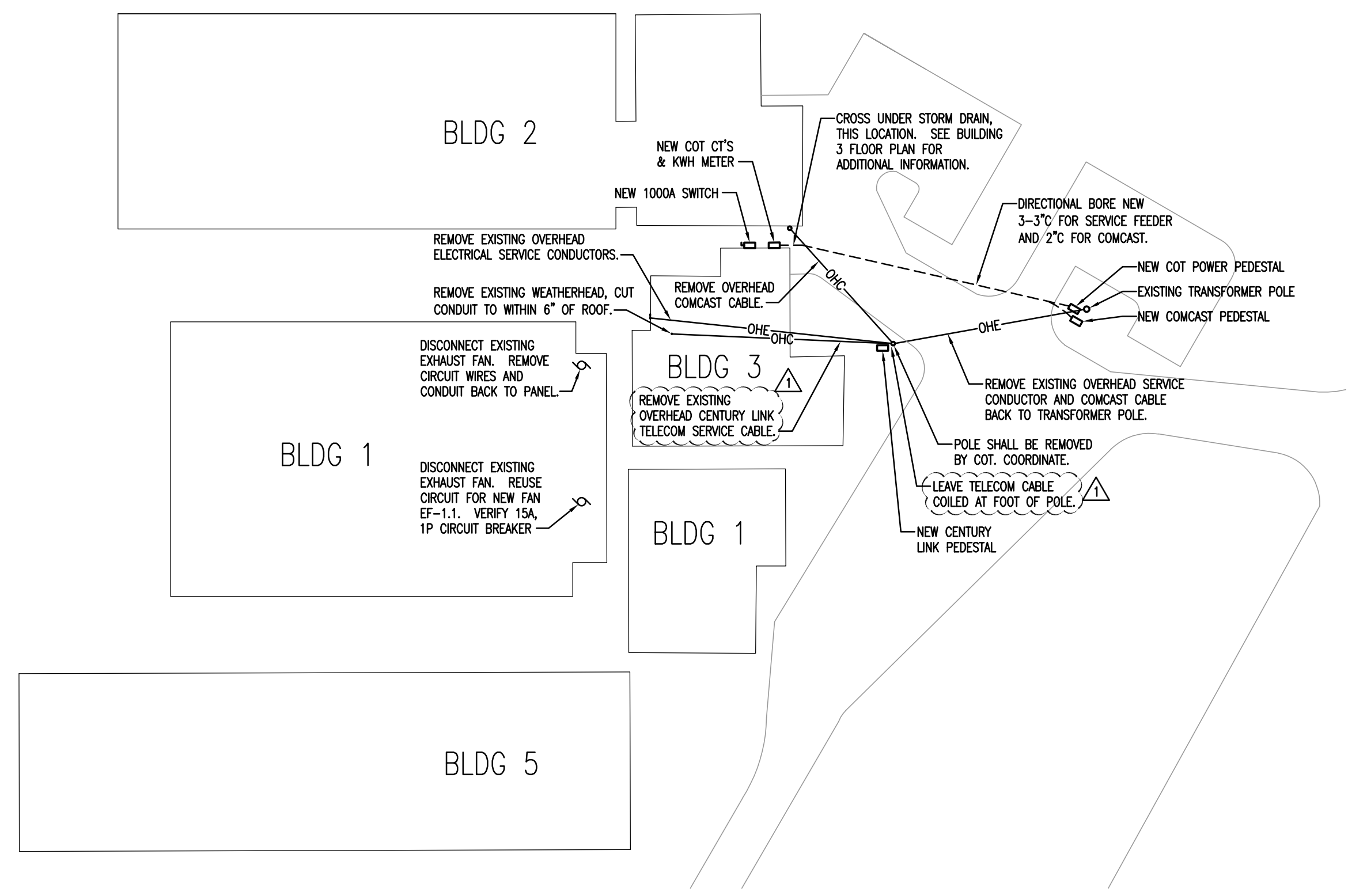
- STRUCTURAL SUBMITTALS (CONT.)
6. THE REVIEW OF SUBMITTALS WILL BE MADE FOR LIMITED PURPOSES AND IS SUBJECT TO THE LIMITATIONS AND EXCLUSIONS SET FORTH IN THESE GENERAL NOTES...
A. REVIEW OF SUBMITTALS SHALL BE LIMITED TO THE REVIEW OF THE SUBMITTALS...
B. ACCEPTANCE OR REJECTION OF ANY SUBMITTAL IS THE SOLE RESPONSIBILITY OF THE ENGINEER...
C. ANALYSIS, REPRODUCTION OR REPARATION OF EQUIPMENT OR SYSTEMS...
D. REVISION EVALUATION OR APPROVAL OF PROJECT SAFETY PRECAUTIONS OR SAFETY MEASURES...
E. REVISION EVALUATION OR APPROVAL OF CONSTRUCTION MEANS METHODS...
REVISIONS
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS...
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS...
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS...

COMPONENTS & CLADDING table with columns: LOCATION, REGULATORY AREA, DESIGN AND PRESSURE (PSF)

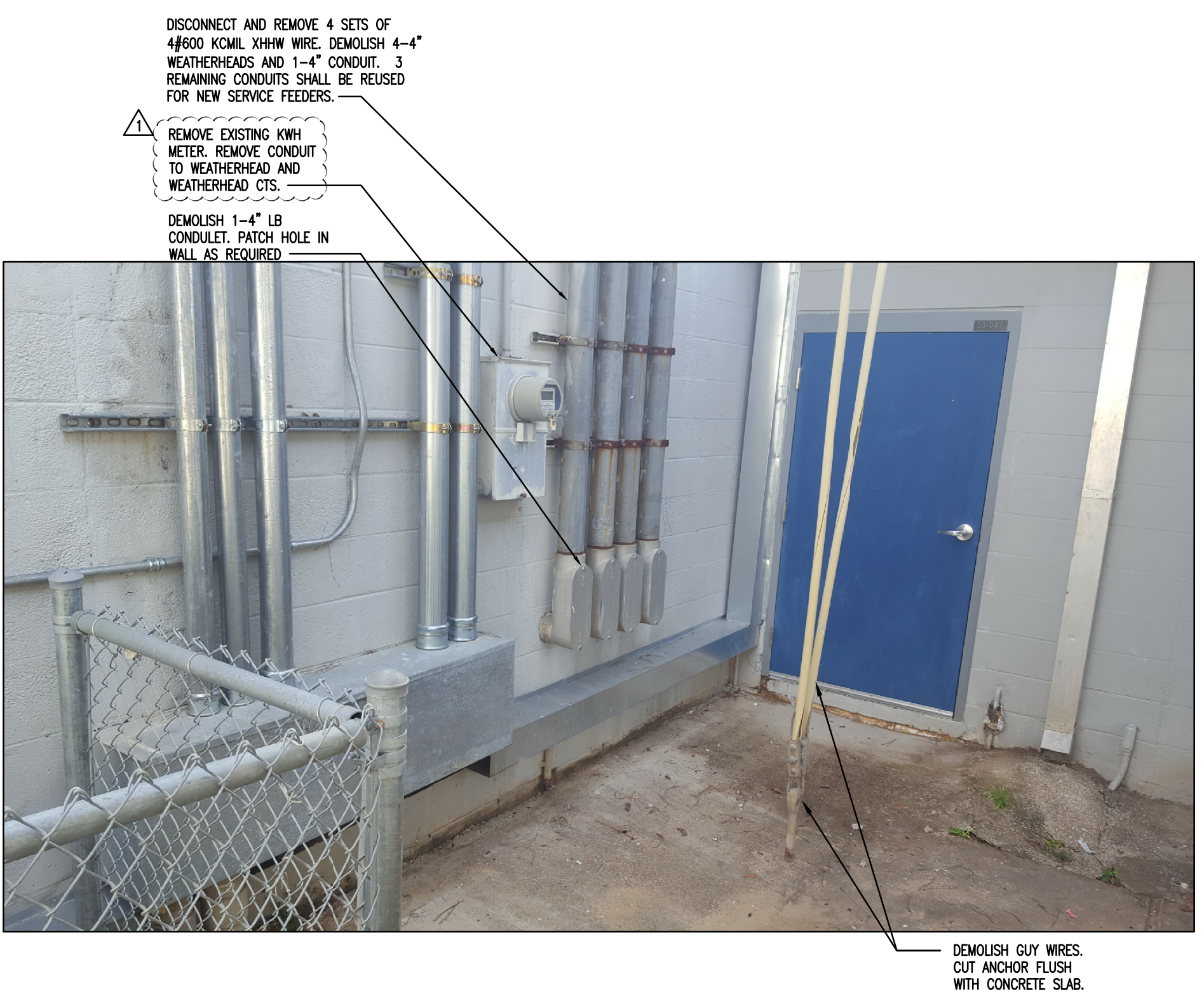


2230 LAKE BRADFORD RD., TALLAHASSEE, FL 32310
PINEVIEW ELEMENTARY SCHOOL ROOF REPLACEMENT
ARCHITECTS: Clemmons, Rutherford & Associates Inc.
PLANNERS: Interior Designers
CONSTRUCTION MANAGERS:
2027 Thomassville Road, Tallahassee, Florida 32308
(904) 398-6153
Fax (904) 988-9250
cra@clermomms-trutherford.com

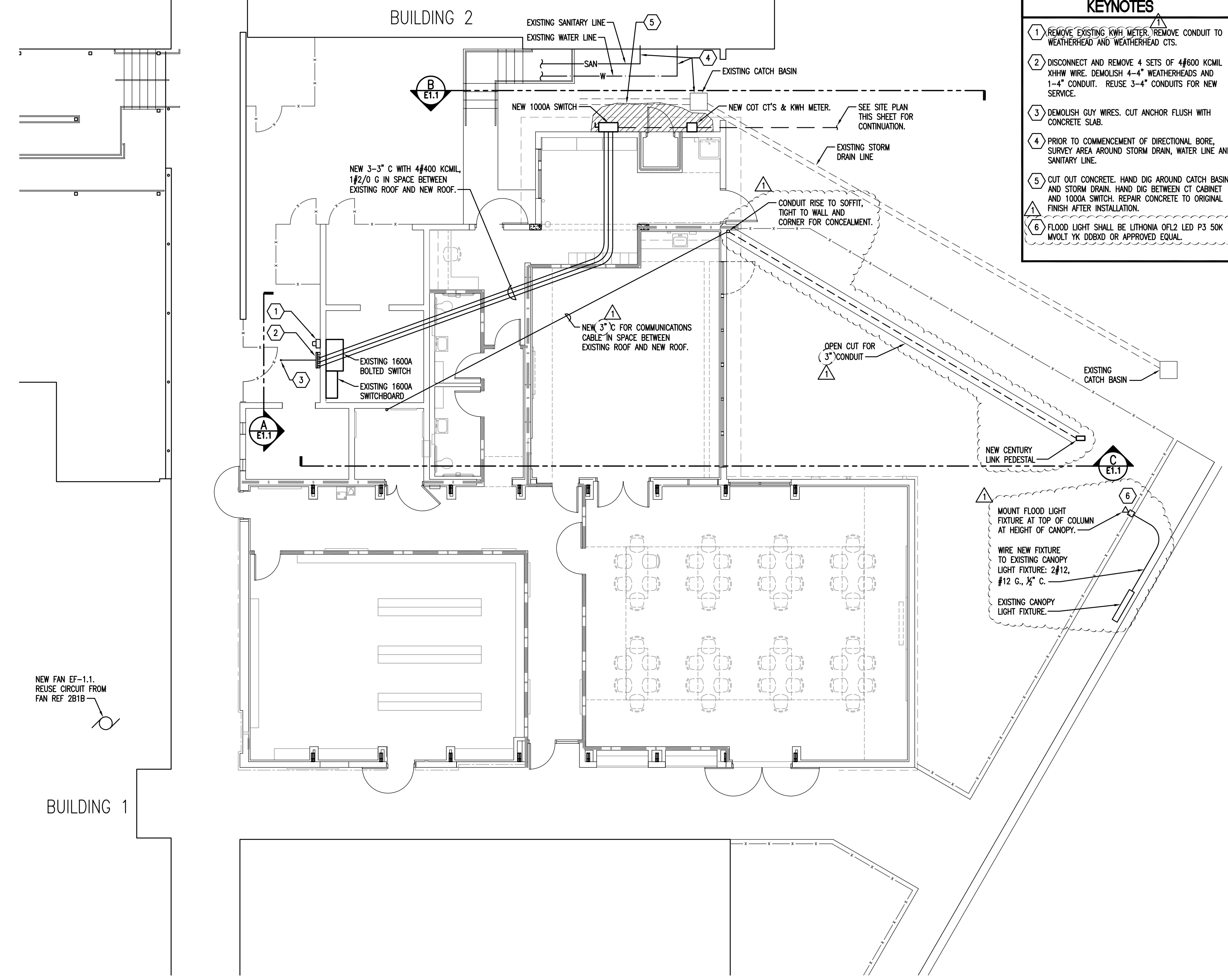
Project information including drawing title 'GENERAL STRUCTURAL NOTES', sheet number 'S0.1', and company logo for 'CLERMOMMS, RUTHERFORD & ASSOCIATES INC.' with contact details for Tallahassee, Florida.



SITE PLAN - DEMOLITION AND DIRECTIONAL BORE
Scale: 1" = 40'-0"

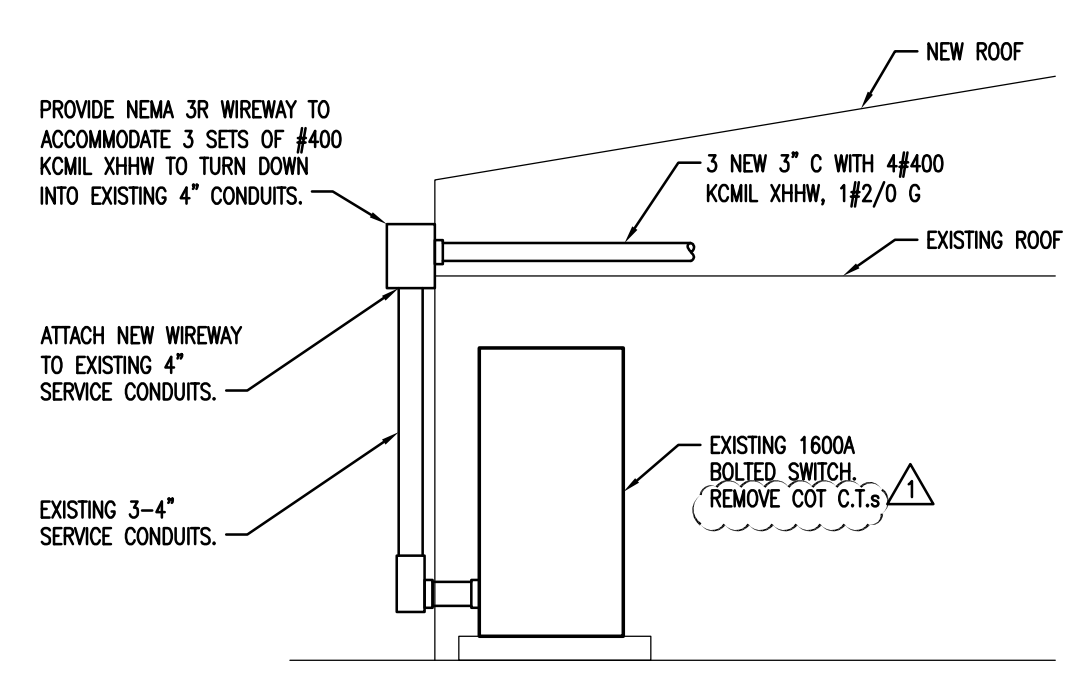


EXISTING SERVICE ENTRANCE
N.T.S.

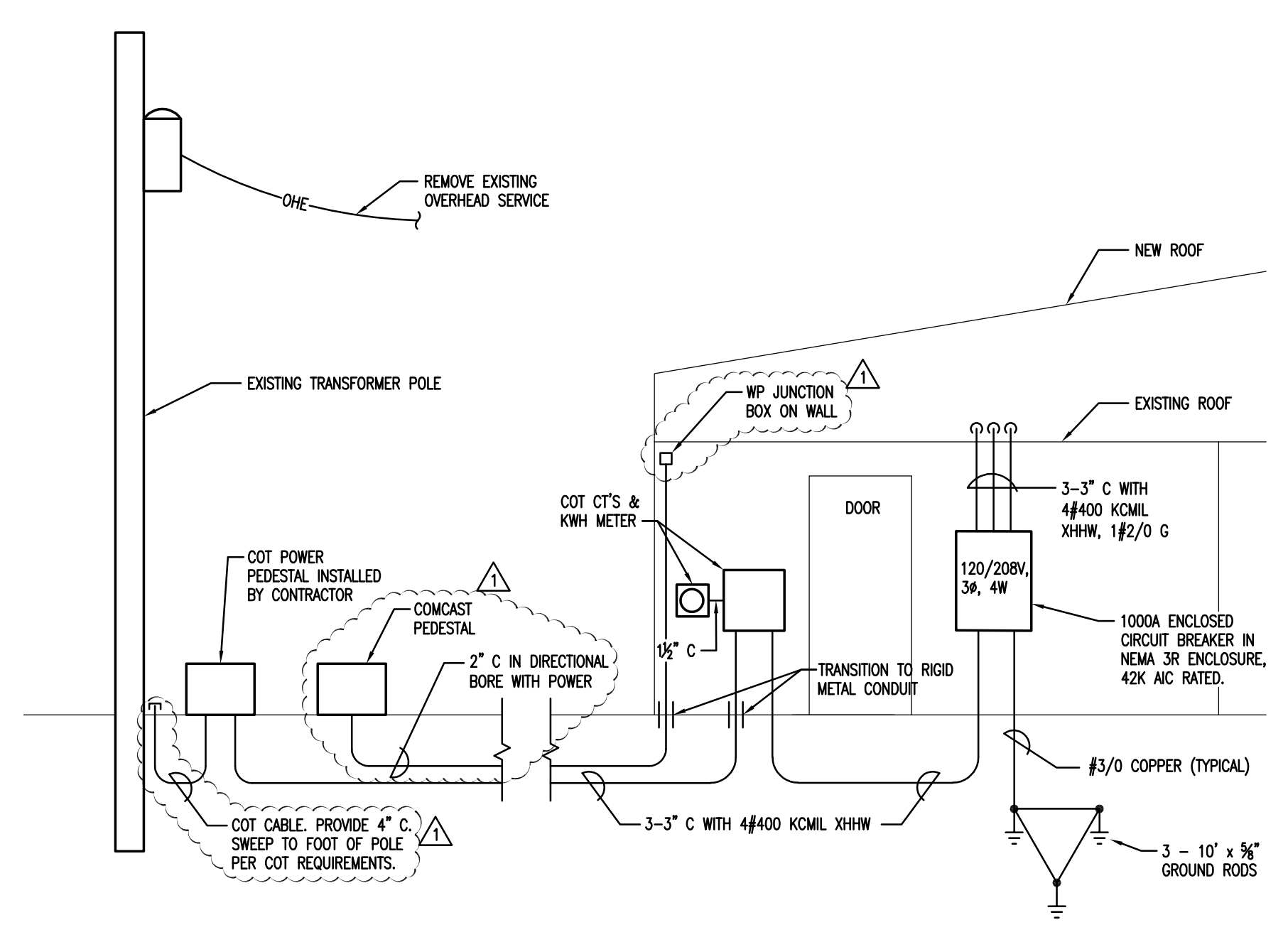


BUILDING 3 FLOOR PLAN
Scale: 1/8" = 1'-0"

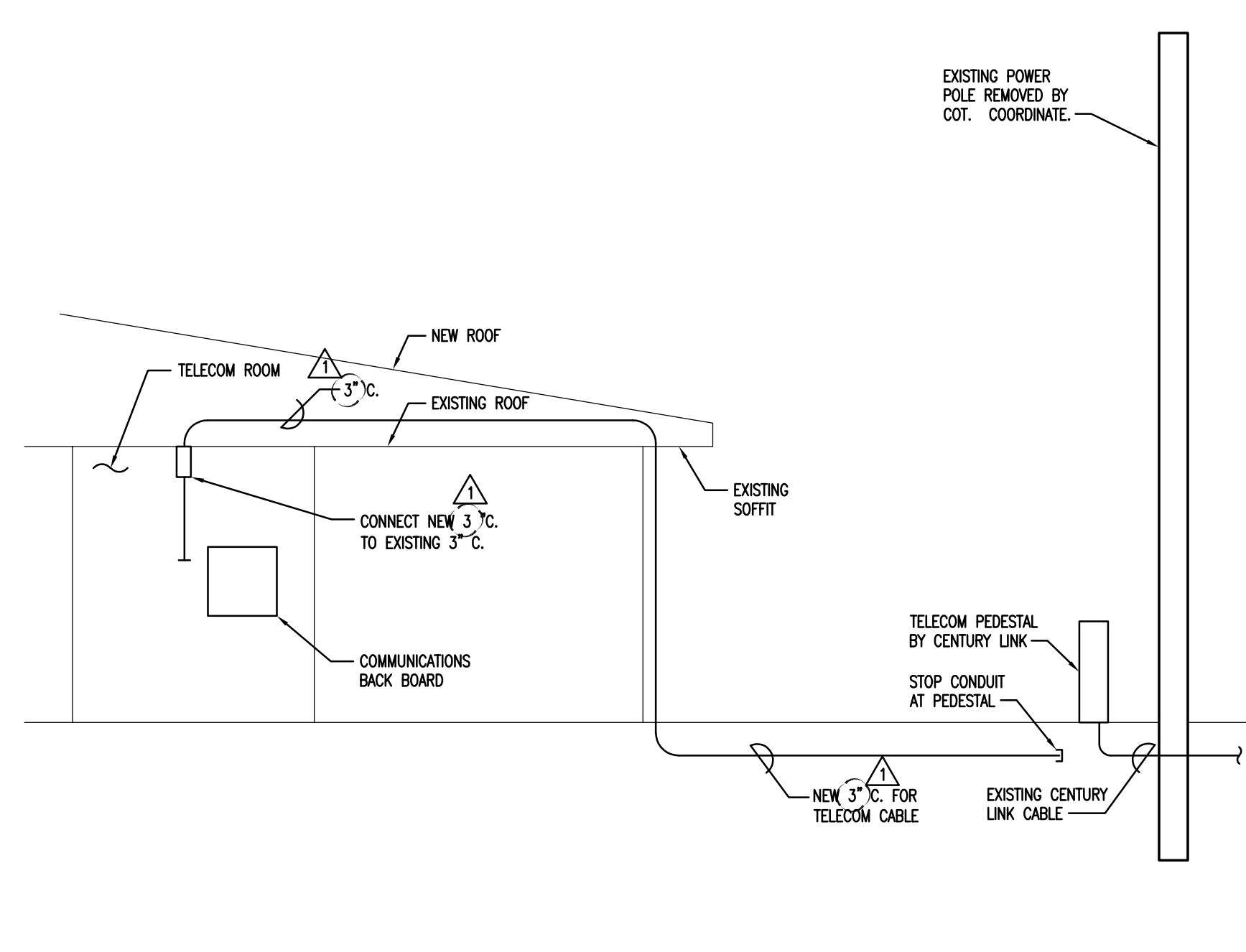
- KEYNOTES**
- REMOVE EXISTING KWH METER, REMOVE CONDUIT TO WEATHERHEAD AND WEATHERHEAD CTS.
 - DISCONNECT AND REMOVE 4 SETS OF #400 KCMIL XHHW WIRE. DEMOLISH 4-4" WEATHERHEADS AND 1-4" CONDUIT. REUSE 3-4" CONDUITS FOR NEW SERVICE.
 - DEMOLISH GUY WIRES. CUT ANCHOR FLUSH WITH CONCRETE SLAB.
 - PRIOR TO COMMENCEMENT OF DIRECTIONAL BORE, SURVEY AREA AROUND STORM DRAIN, WATER LINE AND SANITARY LINE.
 - CUT OUT CONCRETE. HAND DIG AROUND CATCH BASIN AND STORM DRAIN. HAND DIG BETWEEN CT CABINET AND 1000A SWITCH. REPAIR CONCRETE TO ORIGINAL FINISH AFTER INSTALLATION.
 - FLOOD LIGHT SHALL BE LITHONIA OPLZ LED P3 50K WOLT 1K 20000 DD APPROVED EQUAL.



A SERVICE ENTRANCE - POWER
N.T.S.



B RISER DIAGRAM - POWER
N.T.S.

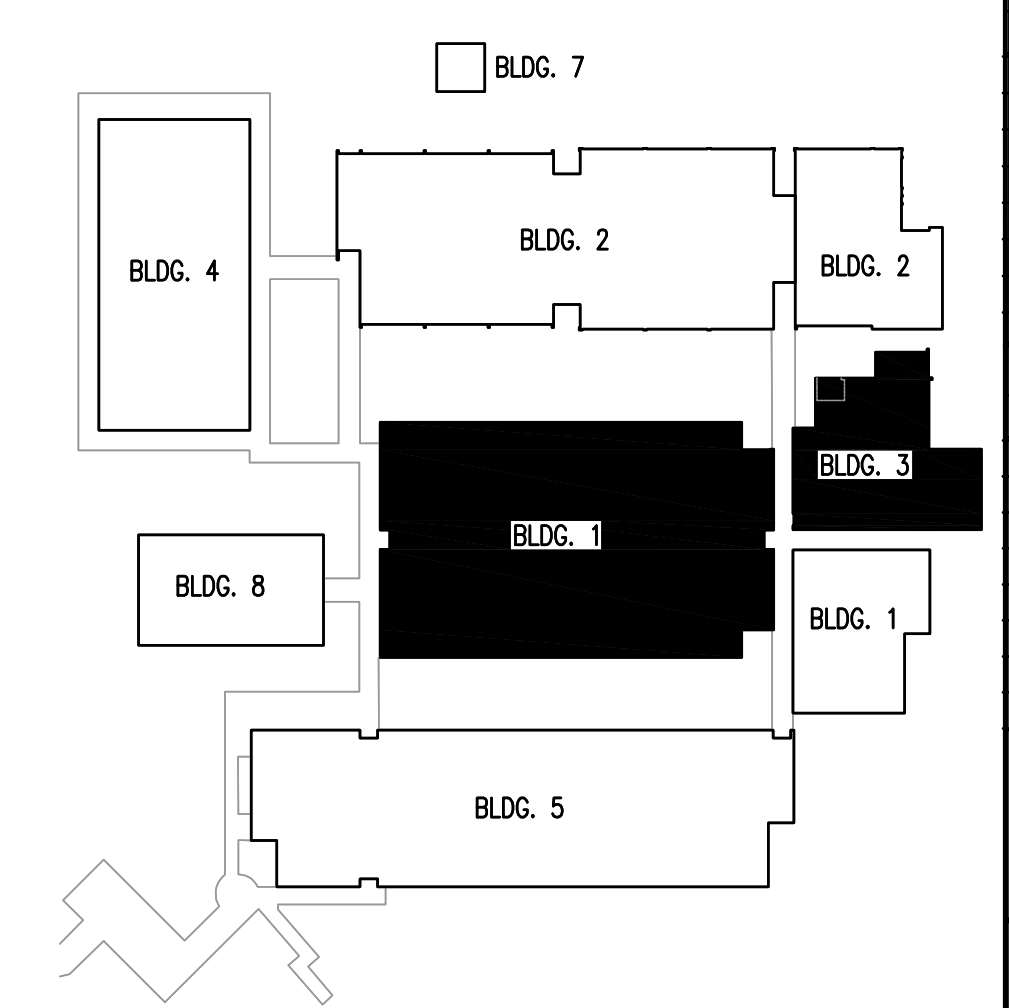


C RISER DIAGRAM - TELECOM
N.T.S.

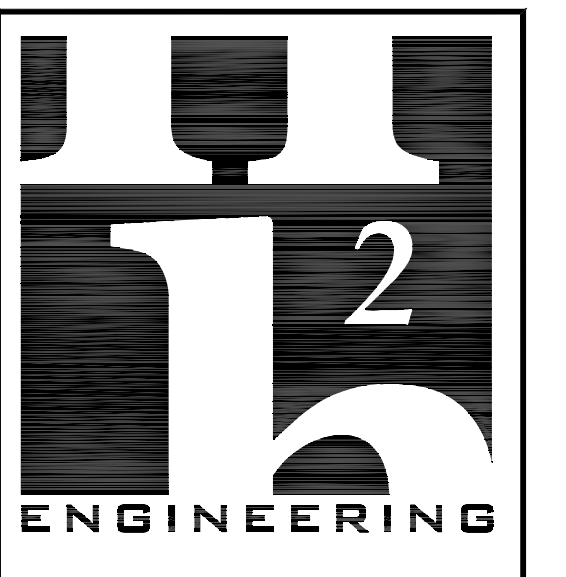
LOAD CALCULATION FOR REDUCTION IN SERVICE SIZE
(PER NEC 220.87)

LARGEST 1 YEAR DEMAND READING	= 192 KW
MAXIMUM DEMAND AT 125% AT ASSUMED 0.9 PF	= 240 KW
AT 208Y/120V, 3Ø, 4W	= 267 KW
	= 741 A

CONCLUSION:
REDUCE SERVICE SIZE TO 1000 A



KEY PLAN
N.T.S.



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HSE PROJECT NO. 16099
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LEON COUNTY SCHOOL BOARD

PINEVIEW ELEMENTARY SCHOOL ROOF REPLACEMENT

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Architects
Planners
Interior Designers
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SUBMITTAL

PHASE	DATE	DRAWN	CHECK
50% CD	3/20/17	CJB	PCL
100% CD	3/20/17	CAH	PCL

REVISIONS

#	DATE	COMMENTS
1	06/12/17	ADDENDUM #1

CRA PROJ#: 16099
PHASE: **CONSTRUCTION DOCUMENTS**

SERVICE RENOVATION PLAN

E1.1