# **Charlotte-Mecklenburg Schools**

## **PROJECT LOCATION**



#### VICINITY MAP



LOCATION SITE

# Charlotte Mecklenburg Schools EAST MECKLENBURG **HIGH SCHOOL**

PARTIAL ROOF REPLACEMENT PROJECT

# **Project Address**

6800 Monroe Road Charlotte, North Carolina 28212

### SCOPE OF WORK SUMMARY

WORK UNDER THE BASE BID GENERALLY CONSISTS OF

 REMOVAL OF EXISTING INSULATION, COVER BOARD, AND ASSOCIATED FLASHINGS DOWN TO EXISTING LIGHTWEIGHT INSULATING CONCRETE

INSTALLATION OF NEW FASTENED BASE SHEET, INSULATION ADHERED IN RIBBON ADHESIVE, AND MODIFIED BITUMEN ROOFING SYSTEM AND ALL ASSOCIATED FLASHINGS.

INSTALLATION OF NEW EDGE METAL FASCIA.

SYMBOL LEGEND		ABREVIATION LIST
$\begin{array}{c} \hline \textbf{DETAIL/SECTION VIEW TITLE:} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	NORTH ARROWS:	TYP. TYPICAL CONT. CONTINUOUS O/C ON CENTER VERT. VERTICAL HORIZ. HORIZONTAL S.S. STAINLESS STEEL P.T. PRESSURE TREATED
PLAN VIEW TITLE: PLAN TITLE XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		

#### CLIENT



Charlotte Mecklenburg Schools 3301 Stafford Drive Charlotte, North Carolina 28208

#### **ENGINEERING CONSULTANT**



2701 Westport Rd Charlotte, NC 28208

Mr. Lou Hall, P.E., RRC Senior Engineer | Facilities e: lou.hall@terracon.com p: 704.594.8926

Mr. Thomas Lambdin Field Engineer | Facilities e: thomas.lambdin@terracon.com p: 704.594.8924

DRAWING INDEX	TERRACON PROJECT NUMBER: FH226304
G-100 COVER SHEET G-101 APPENDIX B A-100 WIND ZONES A-101 ENLARGED ROOF PLAN: AREA I1	ISSUE DATE: 03.15.2023 ISSUE FOR: REVIEW / PRICING DOCUMENTS NOT FOR CONSTRUCTION
<ul> <li>A-102 ENLARGED ROOF PLAN: AREAS I2, I3 &amp; I4</li> <li>A-501 ROOFING DETAILS</li> <li>A-502 ROOFING DETAILS</li> </ul>	<ul> <li>SURVEY REPORT - REPAIR DOCUMENTS</li> <li>SCHEMATIC DESIGN DOCUMENTS NOT FOR CONSTRUCTION</li> <li>DESIGN DEVELOPMENT DOCUMENTS NOT FOR CONSTRUCTION</li> <li>PERMITTING / BIDDING</li> <li>CONSTRUCTION DOCUMENTS</li> <li>ADDENDUM SUBMITTAL</li> <li>RECORD DRAWINGS</li> </ul>
	NO.     DATE     DESCRIPTION $1$ $2$ $3$ $3$ $4$
	ENGINEER STATE LICENSE SEAL
	DRAWING BID SET NUMBER
	TITLE SHEET
	SHEET NUMBER G-100

		FOR ALL	JILDING COMME	RCIAL	UMMARY <u>ROOF</u> PROJ				FIR
	(E				NGS AND TOWN uilding plans sheet 1			BUILDING ELEMENT	
								Roof Construction, including sup joists	porting beams
Name of Pr	oject: Fast N	Aecklenhurg F	ligh School P	artial Roof	Replacement Proj	Act.		Roof Ceiling Assembly	
	•	Road, Charlot	-					Column Supporting Roof	
				·		villiamj.wooden@cms.k12.n	nc.us		
Owned By:	-	$\boxtimes$ (	City/County		Private	State			
Code Enfor	cement Juris	sdiction: 🗌 C	City		County	State			
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CONTAC	Г:								
DESIGNER	FIRM		NAME	LICEN	SE # TELEPHO	DNE# E-MAIL		<b>DESIGN LOADS:</b>	
Architectural Civil	<u>Terracon</u>	Consultants, Inc.	Louis T. H	<u>oll</u> <u>02198</u>	$\frac{7}{(704)59}$	4-8926 Lou.Hall@Terrace	con.com	Importance Factor	s: Snov Seis
Electrical									Sels
Fire Alarm					()_			Live Loads:	Roo
Plumbing Mechanical					()			Ground Snow Loa	1:
Sprinkler-Sta	andpipe							Wind Load:	Ultimate
Structural					()_			wind Load:	
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2018 NC C	ODE FOR:	R	oof Replacen	nent 🗌 Ro	oof Recover	Roof Repair			Exposure
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CO CU BASIC BU Constructia (check all th Sprinklers: Standpipes	NSTRUCT RRENT OG ILDING D on Type: nat apply) :	ED: (date)         CCUPANCY(         ATA         I-A         I-B         Partial         Yes       Classical Clas	S) (Ch. 3) : <u>I</u> II-A II-B Yes ass I I hary)	ducation	I-A I-B INFPA 13R II Wet IDry	□ IV □ V-A □ V-B □ NFPA 13D			Exposure
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2018 NC Administrative Code and Policies

Appendix B for Roof

2018 NC Administrative Code and Policies

#### FIRE PROTECTION REQUIREMENTS

	FIRE SEPARATION DISTANCE (FEET)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY
s and	No Change		
	No Change		
	No Change		

#### STRUCTURAL DESIGN

DE ON THE STRUCTURAL SHEETS IF APPLICABLE)

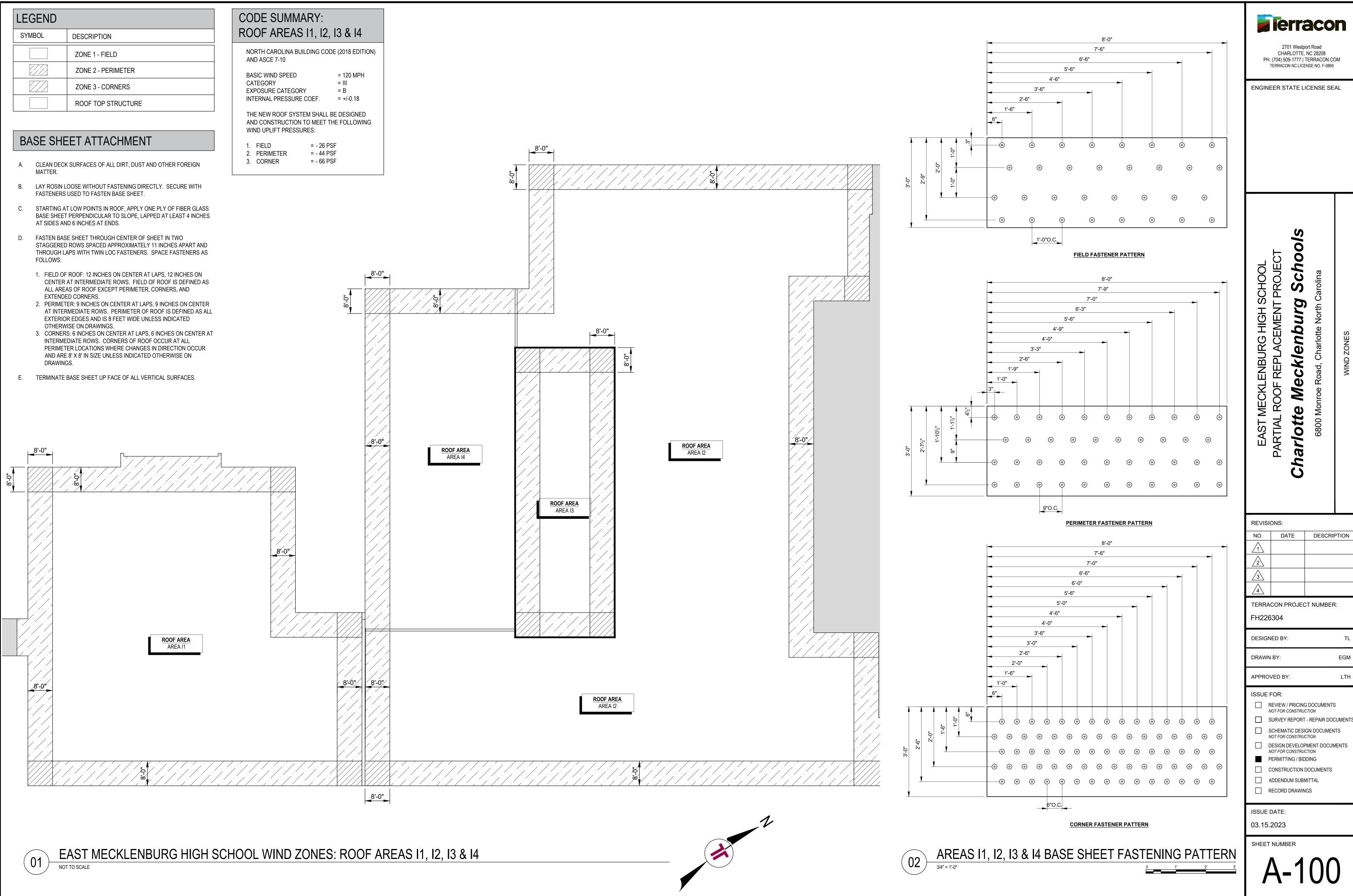
Roof <u>20</u> psf

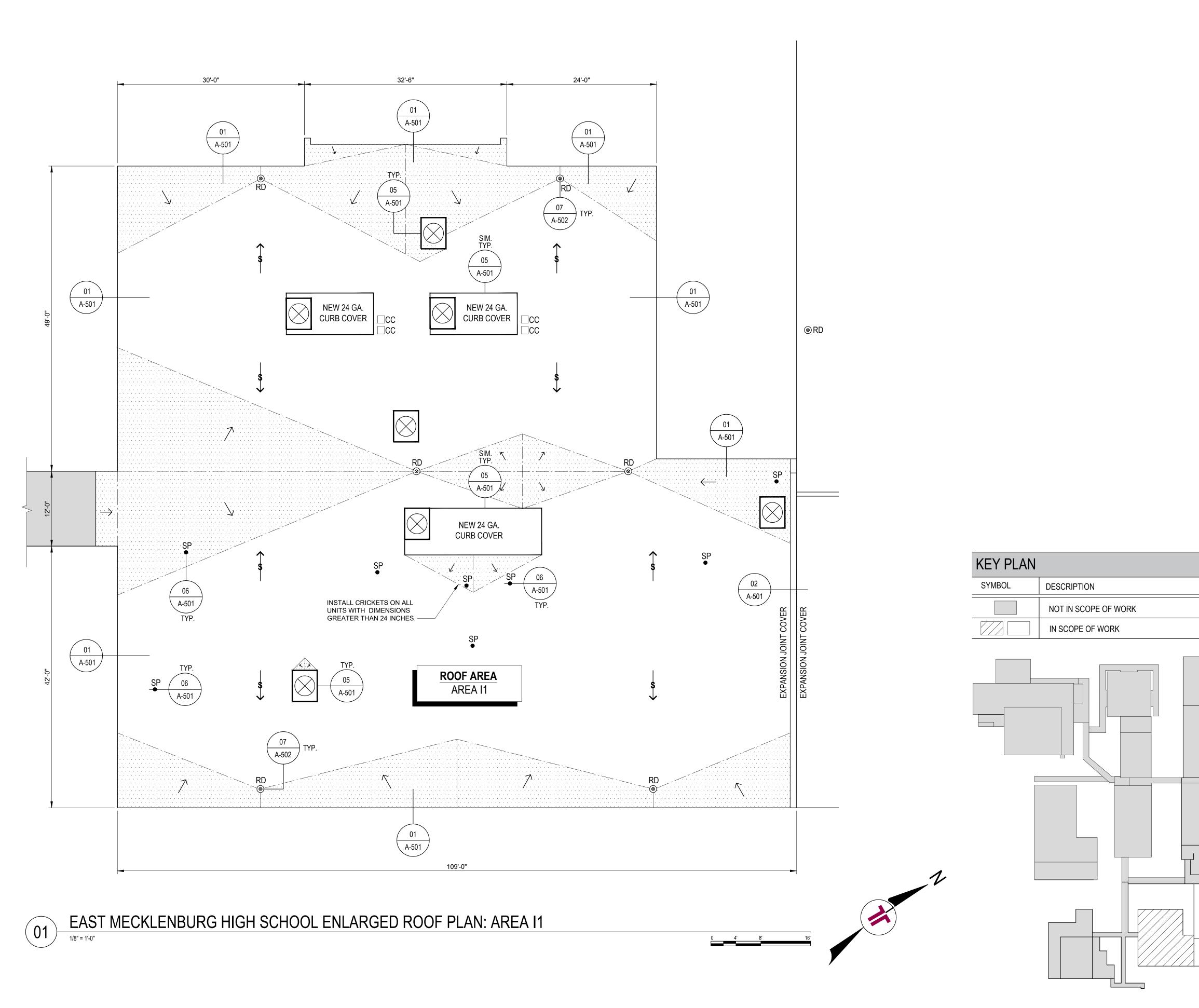
<u>No Change</u> psf

mate Wind Speed <u>120</u> mph (ASCE-7-10) posure Category <u>B</u>

Appendix B for Roof

C PH. (704	2701 Westp CHARLOTTE ) 509-1777		
ENGINEER	STATE L	ICENSE SE	AL
EAST MECKLENBURG HIGH SCHOOL PARTIAL ROOF REPLACEMENT PROJECT	Charlotte Mecklenburg Schools	6800 Monroe Road, Charlotte North Carolina	APPENDIX B
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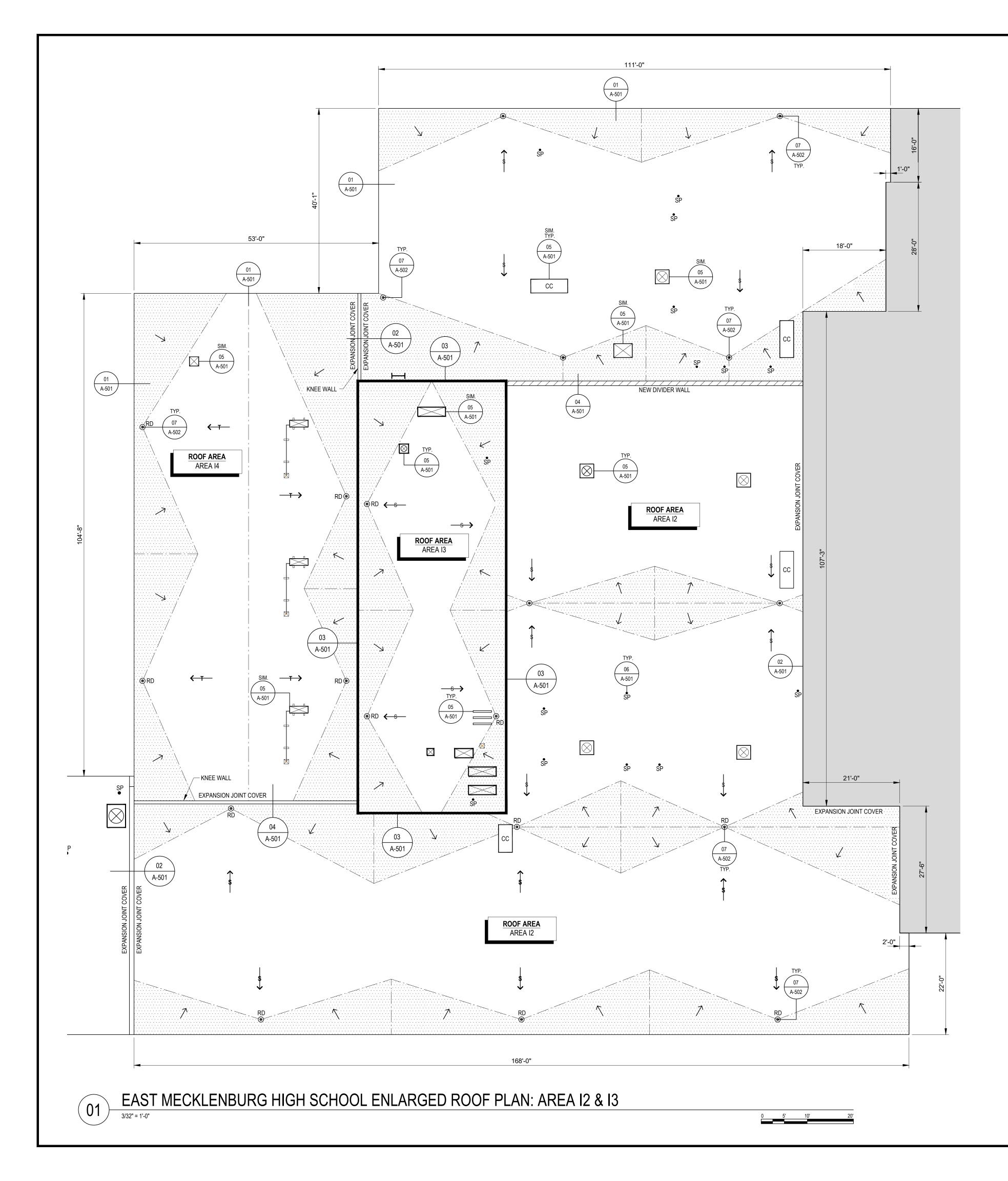
LEGEND	
SYMBOL	DESCRIPTION
	PERIMETER ROOF EDGE
SP o	SANITARY PIPE
PP o	PIPE PENETRATION
RD ⊛	ROOF DRAIN
	EXPANSION JOINT COVER
	EQUIPMENT UNIT ON SLEEPER
	EQUIPMENT UNIT
$\otimes$	VENTILATOR
	CAPPED CURB
<del>-\$</del> >	STRUCTURAL SLOPE
>	TAPERED SLOPE
$\leftarrow$	DIRECTIONAL SLOPE
	TAPERED INSULATION
	CRICKET
	NEW WALL DIVIDER
н	ROOF LADDER

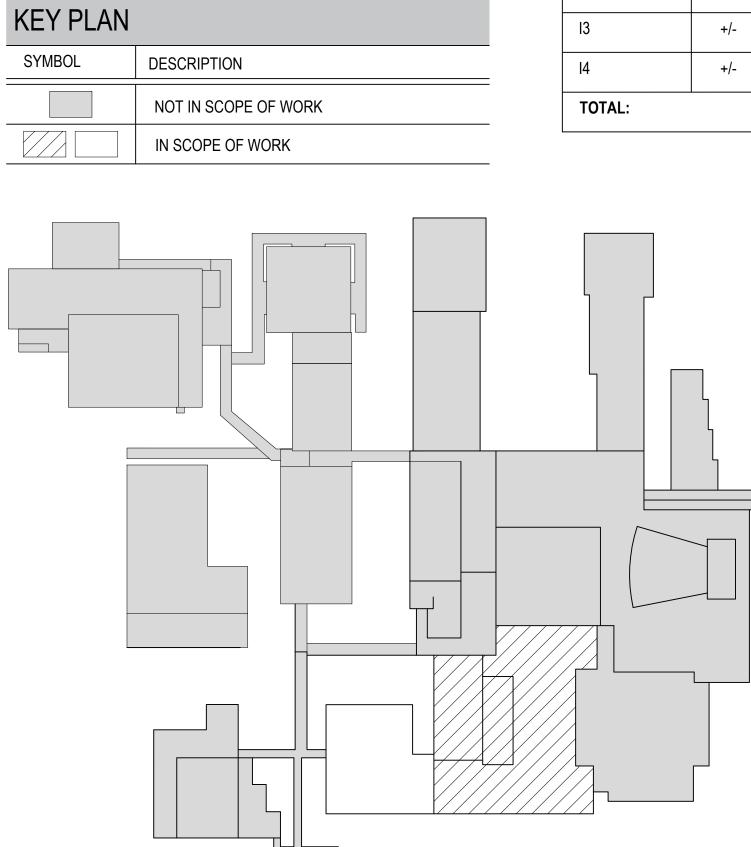
#### GENERAL NOTES

- 1. CONTRACTOR TO FIELD VERIFY ALL PLAN INFORMATION, DIMENSIONS, QUANTITIES, ETC.
- 2. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 3. INSTALL CRICKETS ON ALL PENETRATIONS WITH DIMENSIONS GREATER THAN 24 INCHES.
- 4. INSTALL NEW 24 GAUGE CURB COVER AT EXISTING CAPPED CURBS.

ROOF ARE	AS	
ROOF AREAS	EAVE/PARAPET (APPROXIMATE)	SIZE OF ROOF (APPROXIMATE)
1	+/- 10'	+/- 10,300 Sq. Ft.
12	+/- 10'	+/- 25,900 Sq. Ft.
13	+/- 14'	+/- 3,020 Sq. Ft.
14	+/- 10'	+/- 5,300 Sq. Ft.
TOTAL:		+/- 44,520 Sq. Ft.

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	CHA (704) 50	09-1777	ort Road , NC 28208 TERRACON.C ENSE NO. F-0869	ОМ
ENGINE	EER S	TATE L	ICENSE SE	AL
EAST MECKLENBURG HIGH SCHOOL	PARTIAL ROOF REPLACEMENT PROJECT	Charlotte Mecklenburg Schools	6800 Monroe Road, Charlotte North Carolina	ENLARGED ROOF PLAN: AREA L1
REVISI	1	ATE	DESCRI	PTION
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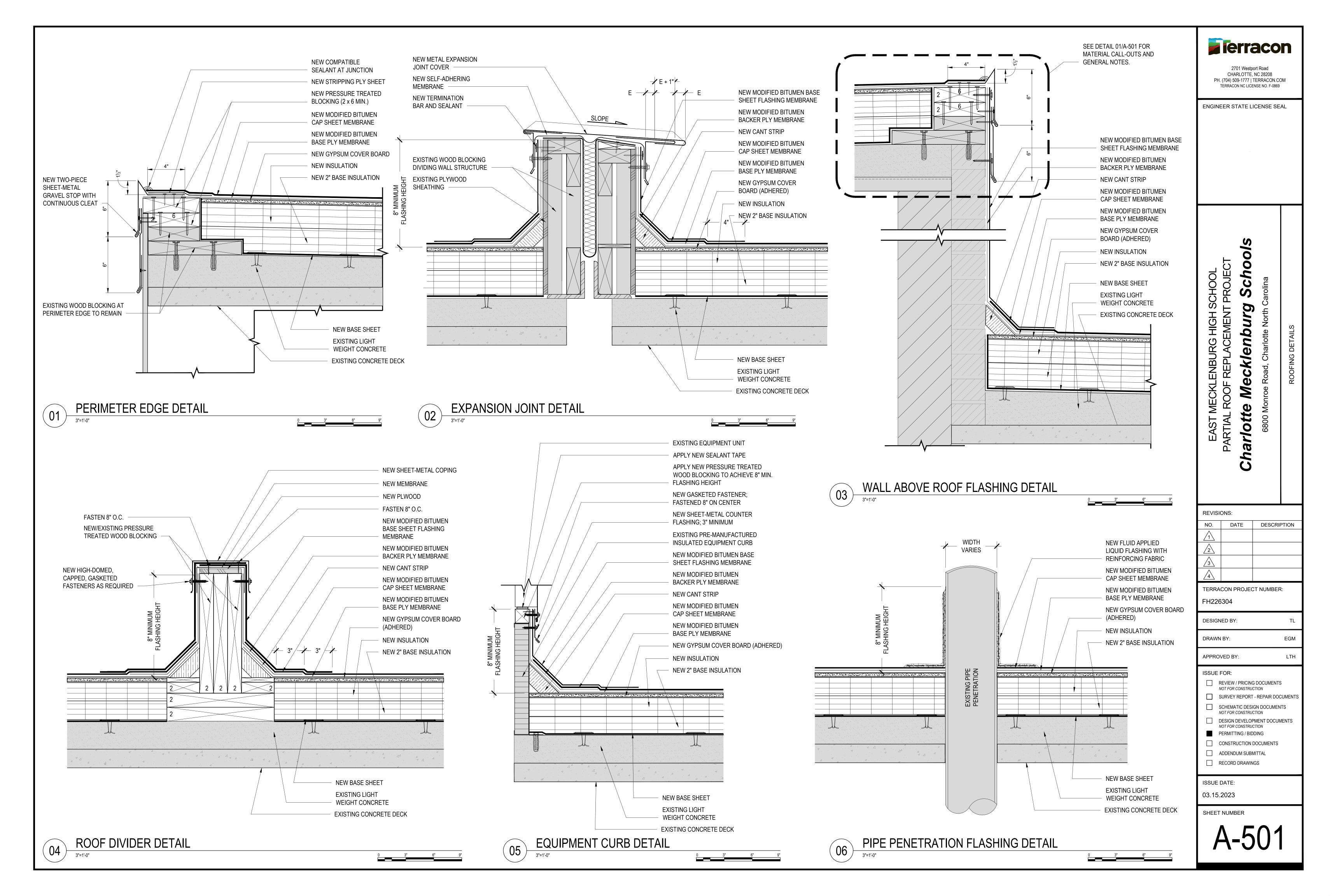
LEGEND	
SYMBOL	DESCRIPTION
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$\otimes$	VENTILATOR
CC	CAPPED CURB
<del>-\$</del> >	STRUCTURAL SLOPE
>	TAPERED SLOPE
$\leftarrow$	DIRECTIONAL SLOPE
	TAPERED INSULATION
	CRICKET
	NEW WALL DIVIDER
н	ROOF LADDER

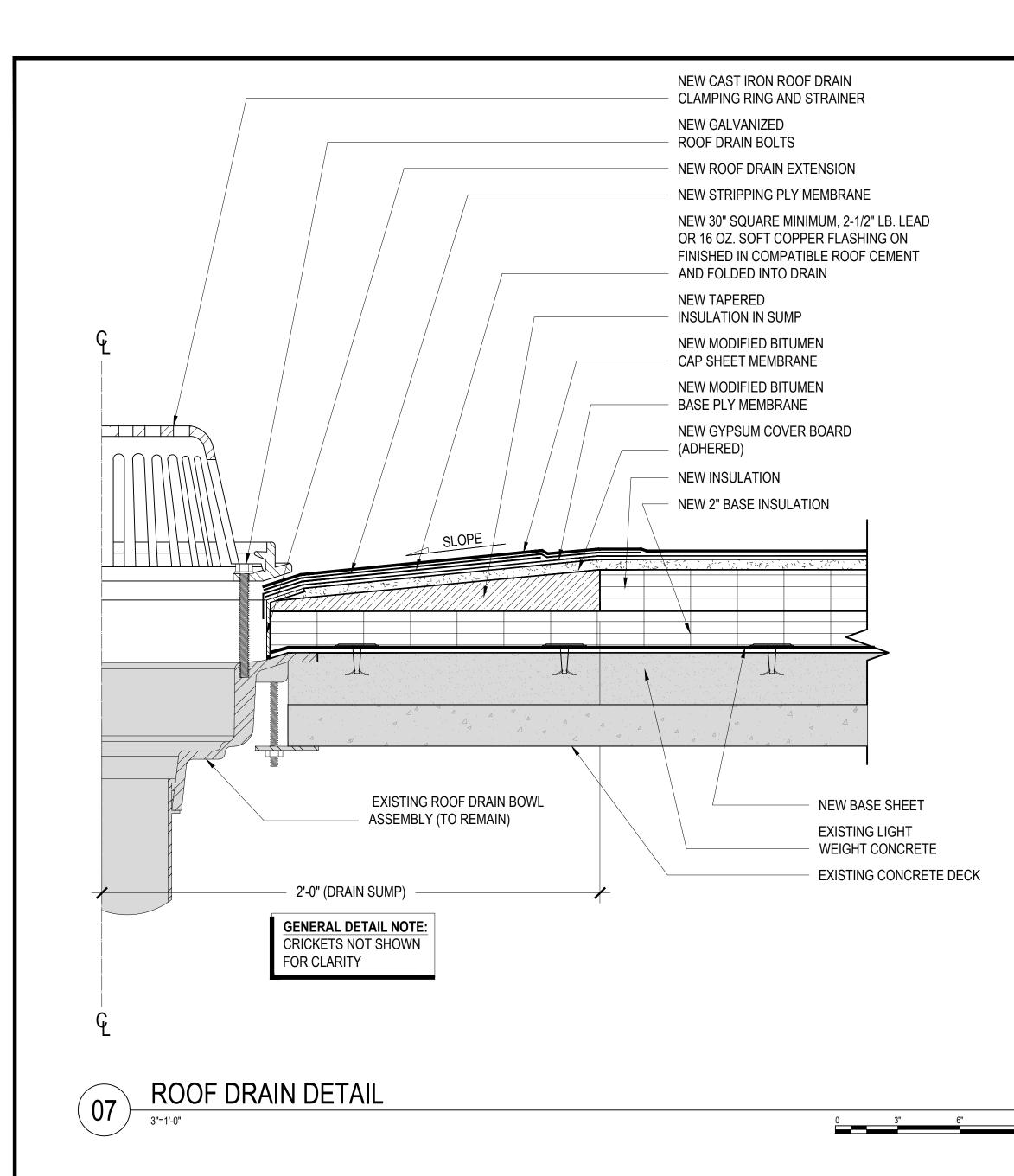
#### GENERAL NOTES

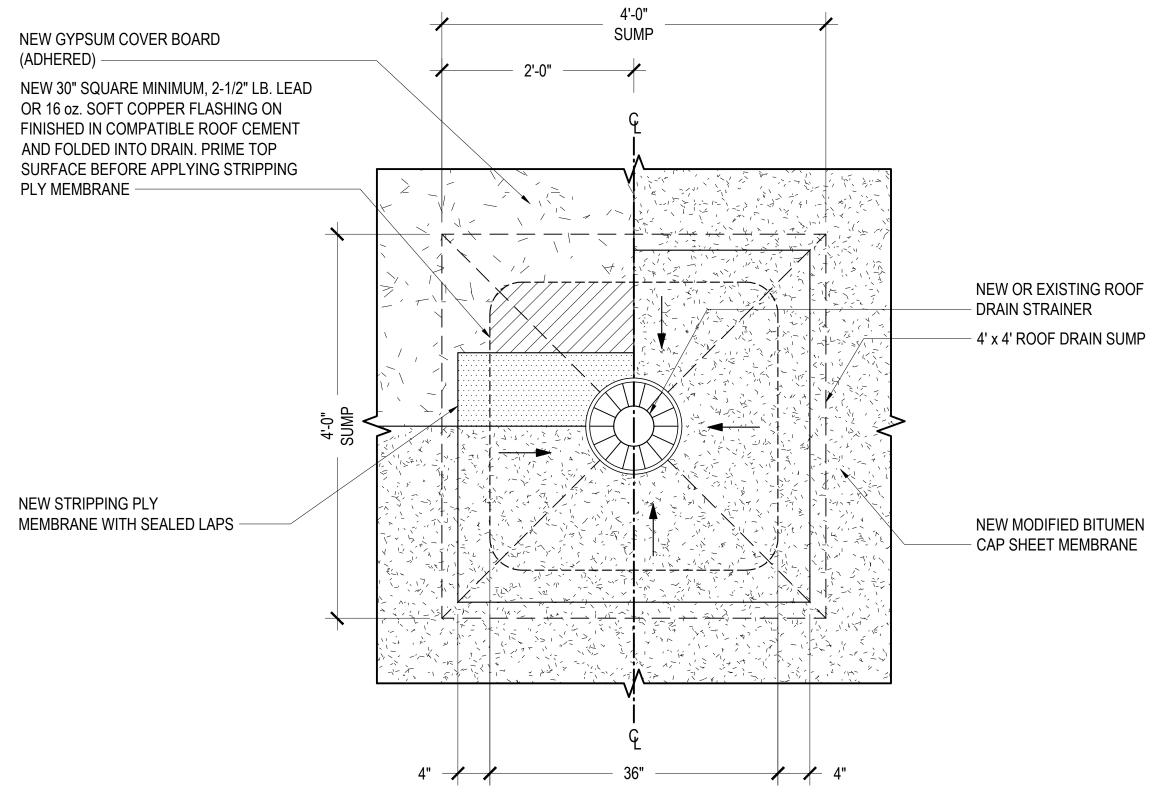
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TOTAL:		+/- 44,520 Sq. Ft.

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EAST MECKLENBURG HIGH SCHOOL	PARTIAL ROOF REPLACEMENT PROJE	Charlotte Mecklenburg Sch	6800 Monroe Road, Charlotte North Carolina	ENLARGED ROOF PLAN: AREAS 12, 13, 14
REVISI	ONS:			
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#### PLAN VIEW OF ROOF DRAIN 1"=1'-0"

0 1/2' 1'

CAST MECKLENBURG HIGH SCHOOL         EAST MECKLENBURG HIGH SCHOOL         PARTIAL ROOF REPLACEMENT PROJECT         PARTIAL ROOF REPLACEMENT PROJECT         Charlotte Mecklenburg Schools         6800 Monroe Road, Charlotte North Carolina         ROOFING DETALS	3 DN.COM -0869	2701 Westport Road CHARLOTTE, NC 28208 H. (704) 509-1777   TERRACON.C TERRACON NC LICENSE NO. F-0869
NO.     DATE     DESCRIPTION       1	ROOFING DETAILS	PARTIAL ROOF REPLACEMENT PROJECT Charlotte Mecklenburg Schools 6800 Monroe Road, Charlotte North Carolina
	CRIPTION	
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SIGNED BY: TL	EGM	
	R DOCUMENTS IMENTS DCUMENTS	FOR: REVIEW / PRICING DOCUMENTS NOT FOR CONSTRUCTION SURVEY REPORT - REPAIR DOU SCHEMATIC DESIGN DOCUMEN NOT FOR CONSTRUCTION DESIGN DEVELOPMENT DOCUM NOT FOR CONSTRUCTION PERMITTING / BIDDING CONSTRUCTION DOCUMENTS ADDENDUM SUBMITTAL RECORD DRAWINGS