



# MIDLANDS TECHNICAL COLLEGE MTC - CET ENVELOPE REPAIR

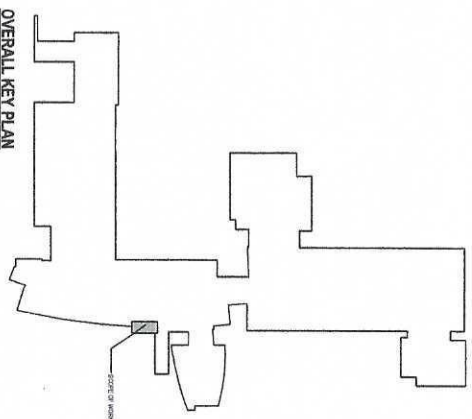
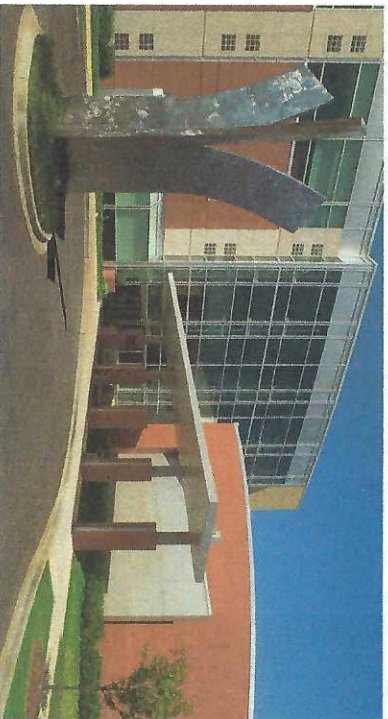
151 POWELL RD | COLUMBIA, SC

ARCHITECT'S PROJECT NUMBER 22.305.03

MTC PROJECT NUMBER MTC-22-14

JANUARY 23, 2023

## CONSTRUCTION DOCUMENTS



AREA MAP



PROJECT SITE

SITE MAP



PROJECT SITE

### PROJECT TEAM

**ARCHITECT**  
QUACKENBUSH ARCHITECTS + PLANNERS  
1217 HAMPTON STREET  
COLUMBIA, SC 29201  
TEL: 803.771.2599

**REGISTERED ENVIRONMENTAL CONSULTANT**  
MTC - CET ENVELOPE REPAIR  
COLUMBIA, SC 29203  
TEL: 803.259.4322

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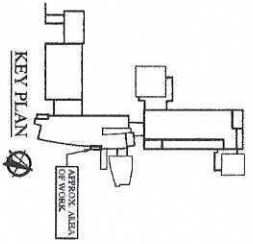
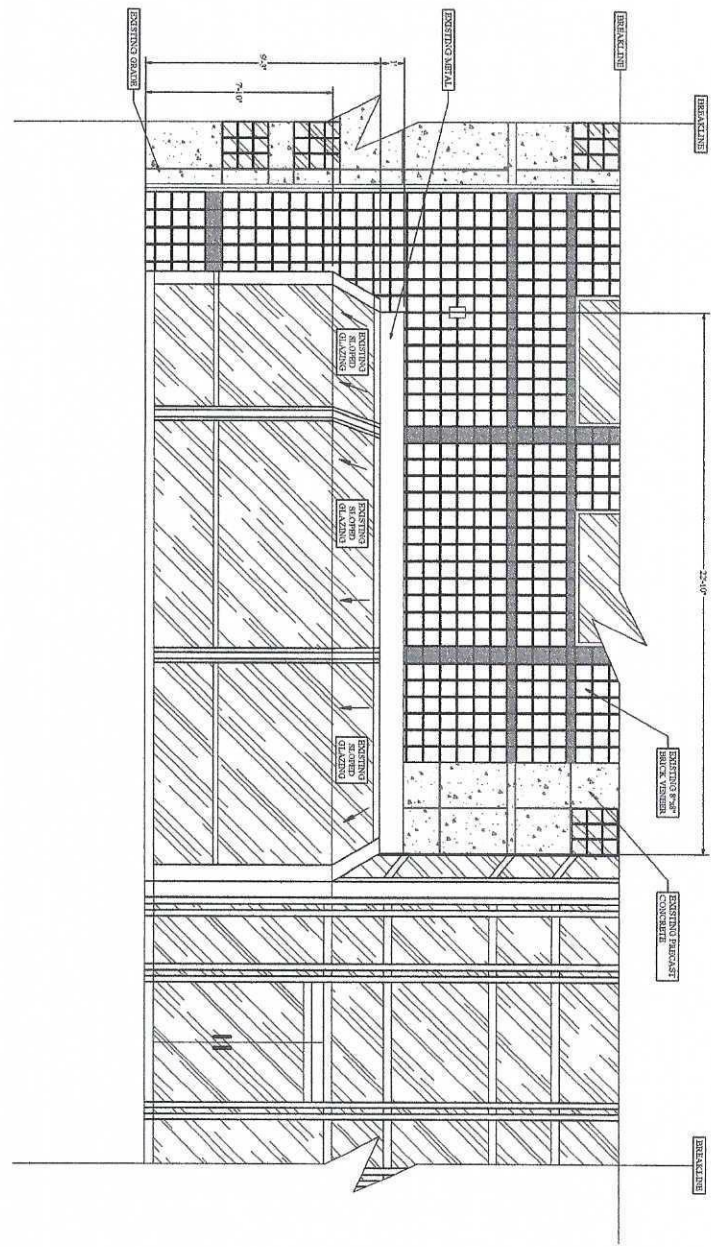
**PLANNING**  
12 - PLANNING  
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14 - PLANNING  
15 - PLANNING

**ARCHITECTURAL**  
16 - ARCHITECTURAL  
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18 - ARCHITECTURAL  
19 - ARCHITECTURAL

**ABBREVIATIONS**

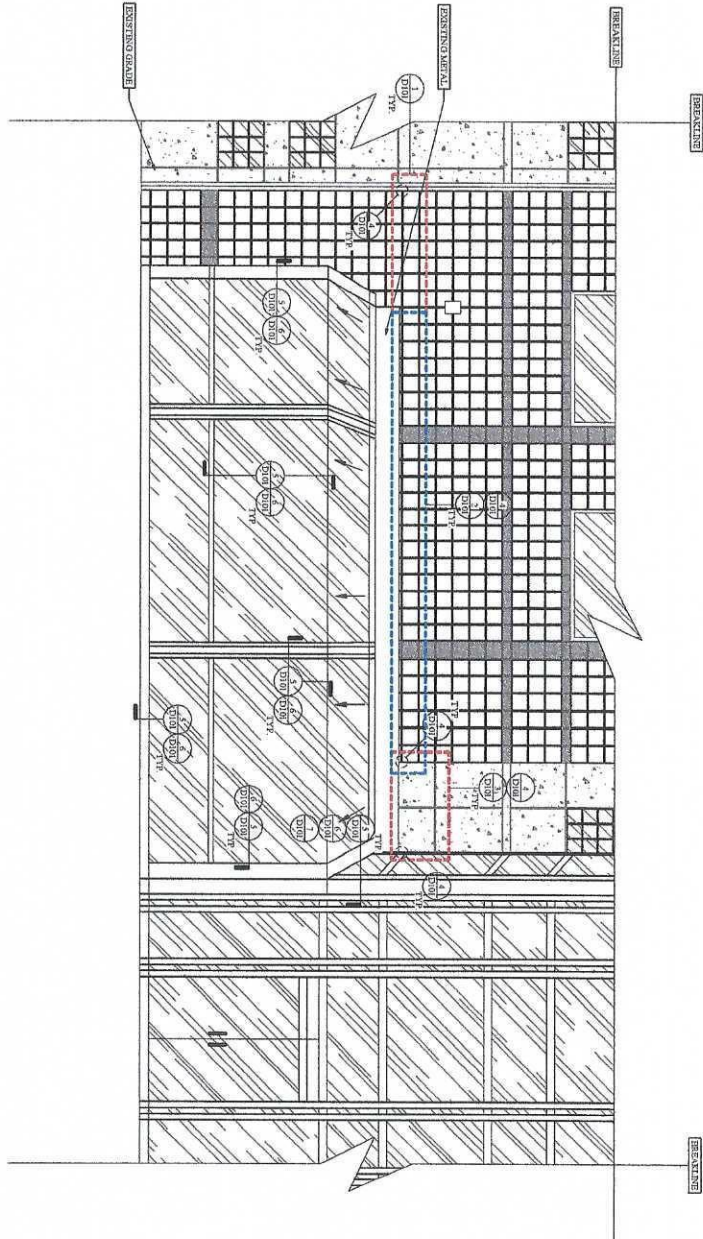
AA	ALUMINUM ANGLE	AA	ALUMINUM ANGLE
AB	ALUMINUM BRACKET	AB	ALUMINUM BRACKET
AC	ALUMINUM CHANNEL	AC	ALUMINUM CHANNEL
AD	ALUMINUM DANGLE	AD	ALUMINUM DANGLE
AE	ALUMINUM END BRACKET	AE	ALUMINUM END BRACKET
AF	ALUMINUM FINISH	AF	ALUMINUM FINISH
AG	ALUMINUM GROUND	AG	ALUMINUM GROUND
AH	ALUMINUM HANGING	AH	ALUMINUM HANGING
AI	ALUMINUM INSULATION	AI	ALUMINUM INSULATION
AJ	ALUMINUM JOINT	AJ	ALUMINUM JOINT
AK	ALUMINUM KICK	AK	ALUMINUM KICK
AL	ALUMINUM LATH	AL	ALUMINUM LATH
AM	ALUMINUM MOUNTING	AM	ALUMINUM MOUNTING
AN	ALUMINUM NAIL	AN	ALUMINUM NAIL
AO	ALUMINUM OILING	AO	ALUMINUM OILING
AP	ALUMINUM PANEL	AP	ALUMINUM PANEL
AQ	ALUMINUM QUARTZ	AQ	ALUMINUM QUARTZ
AR	ALUMINUM RAIL	AR	ALUMINUM RAIL
AS	ALUMINUM SILL	AS	ALUMINUM SILL
AT	ALUMINUM TIE	AT	ALUMINUM TIE
AU	ALUMINUM U-BOLT	AU	ALUMINUM U-BOLT
AV	ALUMINUM V-BOLT	AV	ALUMINUM V-BOLT
AW	ALUMINUM WIRE	AW	ALUMINUM WIRE
AX	ALUMINUM X-BOLT	AX	ALUMINUM X-BOLT
AY	ALUMINUM Y-BOLT	AY	ALUMINUM Y-BOLT
AZ	ALUMINUM Z-BOLT	AZ	ALUMINUM Z-BOLT
BA	BALANCE	BA	BALANCE
BB	BALANCE BRACKET	BB	BALANCE BRACKET
BC	BALANCE CHAIN	BC	BALANCE CHAIN
BD	BALANCE DANGLE	BD	BALANCE DANGLE
BE	BALANCE END BRACKET	BE	BALANCE END BRACKET
BF	BALANCE FINISH	BF	BALANCE FINISH
BG	BALANCE GROUND	BG	BALANCE GROUND
BH	BALANCE HANGING	BH	BALANCE HANGING
BI	BALANCE INSULATION	BI	BALANCE INSULATION
BJ	BALANCE JOINT	BJ	BALANCE JOINT
BK	BALANCE KICK	BK	BALANCE KICK
BL	BALANCE LATH	BL	BALANCE LATH
BM	BALANCE MOUNTING	BM	BALANCE MOUNTING
BN	BALANCE NAIL	BN	BALANCE NAIL
BO	BALANCE OILING	BO	BALANCE OILING
BP	BALANCE PANEL	BP	BALANCE PANEL
BQ	BALANCE QUARTZ	BQ	BALANCE QUARTZ
BR	BALANCE RAIL	BR	BALANCE RAIL
BS	BALANCE SILL	BS	BALANCE SILL
BT	BALANCE TIE	BT	BALANCE TIE
BU	BALANCE U-BOLT	BU	BALANCE U-BOLT
BV	BALANCE V-BOLT	BV	BALANCE V-BOLT
BW	BALANCE WIRE	BW	BALANCE WIRE
BX	BALANCE X-BOLT	BX	BALANCE X-BOLT
BY	BALANCE Y-BOLT	BY	BALANCE Y-BOLT
BZ	BALANCE Z-BOLT	BZ	BALANCE Z-BOLT
CA	CABLE	CA	CABLE
CB	CABLE BRACKET	CB	CABLE BRACKET
CC	CABLE CHAIN	CC	CABLE CHAIN
CD	CABLE DANGLE	CD	CABLE DANGLE
CE	CABLE END BRACKET	CE	CABLE END BRACKET
CF	CABLE FINISH	CF	CABLE FINISH
CG	CABLE GROUND	CG	CABLE GROUND
CH	CABLE HANGING	CH	CABLE HANGING
CI	CABLE INSULATION	CI	CABLE INSULATION
CJ	CABLE JOINT	CJ	CABLE JOINT
CK	CABLE KICK	CK	CABLE KICK
CL	CABLE LATH	CL	CABLE LATH
CM	CABLE MOUNTING	CM	CABLE MOUNTING
CN	CABLE NAIL	CN	CABLE NAIL
CO	CABLE OILING	CO	CABLE OILING
CP	CABLE PANEL	CP	CABLE PANEL
CQ	CABLE QUARTZ	CQ	CABLE QUARTZ
CR	CABLE RAIL	CR	CABLE RAIL
CS	CABLE SILL	CS	CABLE SILL
CT	CABLE TIE	CT	CABLE TIE
CU	CABLE U-BOLT	CU	CABLE U-BOLT
CV	CABLE V-BOLT	CV	CABLE V-BOLT
CW	CABLE WIRE	CW	CABLE WIRE
CX	CABLE X-BOLT	CX	CABLE X-BOLT
CY	CABLE Y-BOLT	CY	CABLE Y-BOLT
CZ	CABLE Z-BOLT	CZ	CABLE Z-BOLT
DA	DANGLE	DA	DANGLE
DB	DANGLE BRACKET	DB	DANGLE BRACKET
DC	DANGLE CHAIN	DC	DANGLE CHAIN
DD	DANGLE DANGLE	DD	DANGLE DANGLE
DE	DANGLE END BRACKET	DE	DANGLE END BRACKET
DF	DANGLE FINISH	DF	DANGLE FINISH
DG	DANGLE GROUND	DG	DANGLE GROUND
DH	DANGLE HANGING	DH	DANGLE HANGING
DI	DANGLE INSULATION	DI	DANGLE INSULATION
DJ	DANGLE JOINT	DJ	DANGLE JOINT
DK	DANGLE KICK	DK	DANGLE KICK
DL	DANGLE LATH	DL	DANGLE LATH
DM	DANGLE MOUNTING	DM	DANGLE MOUNTING
DN	DANGLE NAIL	DN	DANGLE NAIL
DO	DANGLE OILING	DO	DANGLE OILING
DP	DANGLE PANEL	DP	DANGLE PANEL
DQ	DANGLE QUARTZ	DQ	DANGLE QUARTZ
DR	DANGLE RAIL	DR	DANGLE RAIL
DS	DANGLE SILL	DS	DANGLE SILL
DT	DANGLE TIE	DT	DANGLE TIE
DU	DANGLE U-BOLT	DU	DANGLE U-BOLT
DV	DANGLE V-BOLT	DV	DANGLE V-BOLT
DW	DANGLE WIRE	DW	DANGLE WIRE
DX	DANGLE X-BOLT	DX	DANGLE X-BOLT
DY	DANGLE Y-BOLT	DY	DANGLE Y-BOLT
DZ	DANGLE Z-BOLT	DZ	DANGLE Z-BOLT
EA	ELECTRICAL	EA	ELECTRICAL
EB	ELECTRICAL BRACKET	EB	ELECTRICAL BRACKET
EC	ELECTRICAL CHAIN	EC	ELECTRICAL CHAIN
ED	ELECTRICAL DANGLE	ED	ELECTRICAL DANGLE
EE	ELECTRICAL END BRACKET	EE	ELECTRICAL END BRACKET
EF	ELECTRICAL FINISH	EF	ELECTRICAL FINISH
EG	ELECTRICAL GROUND	EG	ELECTRICAL GROUND
EH	ELECTRICAL HANGING	EH	ELECTRICAL HANGING
EI	ELECTRICAL INSULATION	EI	ELECTRICAL INSULATION
EJ	ELECTRICAL JOINT	EJ	ELECTRICAL JOINT
EK	ELECTRICAL KICK	EK	ELECTRICAL KICK
EL	ELECTRICAL LATH	EL	ELECTRICAL LATH
EM	ELECTRICAL MOUNTING	EM	ELECTRICAL MOUNTING
EN	ELECTRICAL NAIL	EN	ELECTRICAL NAIL
EO	ELECTRICAL OILING	EO	ELECTRICAL OILING
EP	ELECTRICAL PANEL	EP	ELECTRICAL PANEL
EQ	ELECTRICAL QUARTZ	EQ	ELECTRICAL QUARTZ
ER	ELECTRICAL RAIL	ER	ELECTRICAL RAIL
ES	ELECTRICAL SILL	ES	ELECTRICAL SILL
ET	ELECTRICAL TIE	ET	ELECTRICAL TIE
EU	ELECTRICAL U-BOLT	EU	ELECTRICAL U-BOLT
EV	ELECTRICAL V-BOLT	EV	ELECTRICAL V-BOLT
EW	ELECTRICAL WIRE	EW	ELECTRICAL WIRE
EX	ELECTRICAL X-BOLT	EX	ELECTRICAL X-BOLT
EY	ELECTRICAL Y-BOLT	EY	ELECTRICAL Y-BOLT
EZ	ELECTRICAL Z-BOLT	EZ	ELECTRICAL Z-BOLT
FA	FLOOR	FA	FLOOR
FB	FLOOR BRACKET	FB	FLOOR BRACKET
FC	FLOOR CHAIN	FC	FLOOR CHAIN
FD	FLOOR DANGLE	FD	FLOOR DANGLE
FE	FLOOR END BRACKET	FE	FLOOR END BRACKET
FF	FLOOR FINISH	FF	FLOOR FINISH
FG	FLOOR GROUND	FG	FLOOR GROUND
FH	FLOOR HANGING	FH	FLOOR HANGING
FI	FLOOR INSULATION	FI	FLOOR INSULATION
FJ	FLOOR JOINT	FJ	FLOOR JOINT
FK	FLOOR KICK	FK	FLOOR KICK
FL	FLOOR LATH	FL	FLOOR LATH
FM	FLOOR MOUNTING	FM	FLOOR MOUNTING
FN	FLOOR NAIL	FN	FLOOR NAIL
FO	FLOOR OILING	FO	FLOOR OILING
FP	FLOOR PANEL	FP	FLOOR PANEL
FQ	FLOOR QUARTZ	FQ	FLOOR QUARTZ
FR	FLOOR RAIL	FR	FLOOR RAIL
FS	FLOOR SILL	FS	FLOOR SILL
FT	FLOOR TIE	FT	FLOOR TIE
FU	FLOOR U-BOLT	FU	FLOOR U-BOLT
FV	FLOOR V-BOLT	FV	FLOOR V-BOLT
FW	FLOOR WIRE	FW	FLOOR WIRE
FX	FLOOR X-BOLT	FX	FLOOR X-BOLT
FY	FLOOR Y-BOLT	FY	FLOOR Y-BOLT
FZ	FLOOR Z-BOLT	FZ	FLOOR Z-BOLT
GA	GATE	GA	GATE
GB	GATE BRACKET	GB	GATE BRACKET
GC	GATE CHAIN	GC	GATE CHAIN
GD	GATE DANGLE	GD	GATE DANGLE
GE	GATE END BRACKET	GE	GATE END BRACKET
GF	GATE FINISH	GF	GATE FINISH
GG	GATE GROUND	GG	GATE GROUND
GH	GATE HANGING	GH	GATE HANGING
GI	GATE INSULATION	GI	GATE INSULATION
GJ	GATE JOINT	GJ	GATE JOINT
GK	GATE KICK	GK	GATE KICK
GL	GATE LATH	GL	GATE LATH
GM	GATE MOUNTING	GM	GATE MOUNTING
GN	GATE NAIL	GN	GATE NAIL
GO	GATE OILING	GO	GATE OILING
GP	GATE PANEL	GP	GATE PANEL
GQ	GATE QUARTZ	GQ	GATE QUARTZ
GR	GATE RAIL	GR	GATE RAIL
GS	GATE SILL	GS	GATE SILL
GT	GATE TIE	GT	GATE TIE
GU	GATE U-BOLT	GU	GATE U-BOLT
GV	GATE V-BOLT	GV	GATE V-BOLT
GW	GATE WIRE	GW	GATE WIRE
GX	GATE X-BOLT	GX	GATE X-BOLT
GY	GATE Y-BOLT	GY	GATE Y-BOLT
GZ	GATE Z-BOLT	GZ	GATE Z-BOLT
HA	HANGING	HA	HANGING
HB	HANGING BRACKET	HB	HANGING BRACKET
HC	HANGING CHAIN	HC	HANGING CHAIN
HD	HANGING DANGLE	HD	HANGING DANGLE
HE	HANGING END BRACKET	HE	HANGING END BRACKET
HF	HANGING FINISH	HF	HANGING FINISH
HG	HANGING GROUND	HG	HANGING GROUND
HH	HANGING HANGING	HH	HANGING HANGING
HI	HANGING INSULATION	HI	HANGING INSULATION
HJ	HANGING JOINT	HJ	HANGING JOINT
HK	HANGING KICK	HK	HANGING KICK
HL	HANGING LATH	HL	HANGING LATH
HM	HANGING MOUNTING	HM	HANGING MOUNTING
HN	HANGING NAIL	HN	HANGING NAIL
HO	HANGING OILING	HO	HANGING OILING
HP	HANGING PANEL	HP	HANGING PANEL
HQ	HANGING QUARTZ	HQ	HANGING QUARTZ
HR	HANGING RAIL	HR	HANGING RAIL
HS	HANGING SILL	HS	HANGING SILL
HT	HANGING TIE	HT	HANGING TIE
HU	HANGING U-BOLT	HU	HANGING U-BOLT
HV	HANGING V-BOLT	HV	HANGING V-BOLT
HW	HANGING WIRE	HW	HANGING WIRE
HX	HANGING X-BOLT	HX	HANGING X-BOLT
HY	HANGING Y-BOLT	HY	HANGING Y-BOLT
HZ	HANGING Z-BOLT	HZ	HANGING Z-BOLT
IA	INSULATION	IA	INSULATION
IB	INSULATION BRACKET	IB	INSULATION BRACKET
IC	INSULATION CHAIN	IC	INSULATION CHAIN
ID	INSULATION DANGLE	ID	INSULATION DANGLE
IE	INSULATION END BRACKET	IE	INSULATION END BRACKET
IF	INSULATION FINISH	IF	INSULATION FINISH
IG	INSULATION GROUND	IG	INSULATION GROUND
IH	INSULATION HANGING	IH	INSULATION HANGING
II	INSULATION INSULATION	II	INSULATION INSULATION
IJ	INSULATION JOINT	IJ	INSULATION JOINT
IK	INSULATION KICK	IK	INSULATION KICK
IL	INSULATION LATH	IL	INSULATION LATH
IM	INSULATION MOUNTING	IM	INSULATION MOUNTING
IN	INSULATION NAIL	IN	INSULATION NAIL
IO	INSULATION OILING	IO	INSULATION OILING
IP	INSULATION PANEL	IP	INSULATION PANEL
IQ	INSULATION QUARTZ	IQ	INSULATION QUARTZ
IR	INSULATION RAIL	IR	INSULATION RAIL
IS	INSULATION SILL	IS	INSULATION SILL
IT	INSULATION TIE	IT	INSULATION TIE
IU	INSULATION U-BOLT	IU	INSULATION U-BOLT
IV	INSULATION V-BOLT	IV	INSULATION V-BOLT
IW	INSULATION WIRE	IW	INSULATION WIRE
IX	INSULATION X-BOLT	IX	INSULATION X-BOLT
IY	INSULATION Y-BOLT	IY	INSULATION Y-BOLT
IZ	INSULATION Z-BOLT	IZ	INSULATION Z-BOLT
JA	JACKET	JA	JACKET
JB	JACKET BRACKET	JB	JACKET BRACKET
JC	JACKET CHAIN	JC	JACKET CHAIN
JD	JACKET DANGLE	JD	JACKET DANGLE
JE	JACKET END BRACKET	JE	JACKET END BRACKET
JF	JACKET FINISH	JF	JACKET FINISH
JG	JACKET GROUND	JG	JACKET GROUND
JH	JACKET HANGING	JH	JACKET HANGING
JI	JACKET INSULATION	JI	JACKET INSULATION
JJ	JACKET JOINT	JJ	JACKET JOINT
JK	JACKET KICK	JK	JACKET KICK
JL	JACKET LATH	JL	JACKET LATH
JM	JACKET MOUNTING	JM	JACKET MOUNTING
JN	JACKET NAIL	JN	JACKET NAIL
JO	JACKET OILING	JO	JACKET OILING
JP	JACKET PANEL	JP	JACKET PANEL
JQ	JACKET QUARTZ	JQ	JACKET QUARTZ
JR	JACKET RAIL	JR	JACKET RAIL
JS	JACKET SILL	JS	JACKET SILL
JT	JACKET TIE	JT	JACKET TIE
JU	JACKET U-BOLT	JU	JACKET U-BOLT
JV	JACKET V-BOLT	JV	JACKET V-BOLT
JW	JACKET WIRE	JW	JACKET WIRE
JX	JACKET X-BOLT	JX	JACKET X-BOLT
JY	JACKET Y-BOLT	JY	JACKET Y-BOLT
JZ	JACKET Z-BOLT	JZ	JACKET Z-BOLT
KA	KICK	KA	KICK
KB	KICK BRACKET	KB	KICK BRACKET
KC	KICK CHAIN	KC	KICK CHAIN
KD	KICK DANGLE	KD	KICK DANGLE
KE	KICK END BRACKET	KE	KICK END BRACKET
KF	KICK FINISH	KF	KICK FINISH
KG	KICK GROUND	KG	KICK GROUND
KH	KICK HANGING	KH	KICK HANGING
KI	KICK INSULATION	KI	KICK INSULATION
KJ	KICK JOINT	KJ	KICK JOINT
KK	KICK KICK	KK	KICK KICK
KL	KICK LATH	KL	KICK LATH
KM	KICK MOUNTING	KM	KICK MOUNTING
KN	KICK NAIL	KN	KICK NAIL
KO	KICK OILING	KO	KICK OILING
KP	KICK PANEL	KP	KICK PANEL
KQ	KICK QUARTZ	KQ	KICK QUARTZ
KR	KICK RAIL	KR	KICK RAIL
KS	KICK SILL	KS	KICK SILL
KT	KICK TIE	KT	KICK TIE
KU	KICK U-BOLT	KU	KICK U-BOLT
KV	KICK V-BOLT	KV	KICK V-BOLT
KW	KICK WIRE	KW	KICK WIRE
KX	KICK X-BOLT	KX	KICK X-BOLT
KY	KICK Y-BOLT	KY	KICK Y-BOLT
KZ	KICK Z-BOLT	KZ	KICK Z-BOLT
LA	LATH	LA	LATH
LB	LATH BRACKET	LB	LATH BRACKET
LC	LATH CHAIN	LC	LATH CHAIN
LD	LATH DANGLE	LD	LATH DANGLE
LE	LATH END BRACKET	LE	LATH END BRACKET
LF	LATH FINISH	LF	LATH FINISH
LG	LATH GROUND	LG	LATH GROUND
LH	LATH HANGING	LH	LATH HANGING
LI	LATH INSULATION	LI	LATH INSULATION
LJ	LATH JOINT	LJ	LATH JOINT
LK	LATH KICK	LK	LATH KICK
LL	LATH LATH	LL	LATH LATH
LM	LATH MOUNTING	LM	LATH MOUNTING
LN	LATH NAIL	LN	LATH NAIL
LO	LATH OILING	LO	LATH OILING
LP	LATH PANEL		

SECTION A  
 1/2" = 1'-0"  
 EXISTING PARTIAL NORTHEAST FACING ELEVATION

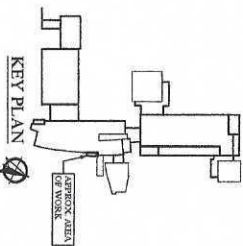


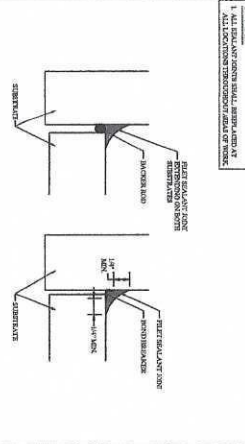
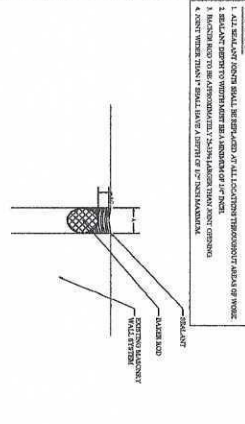
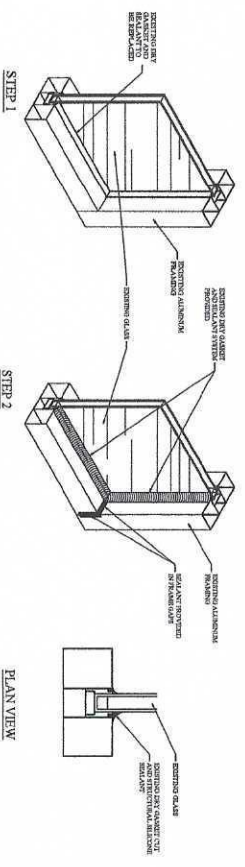
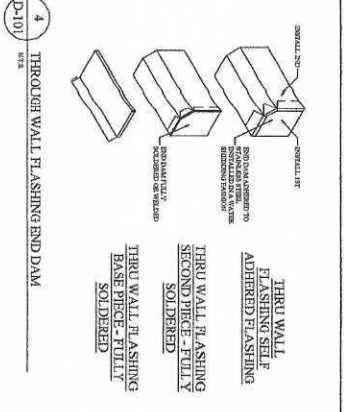
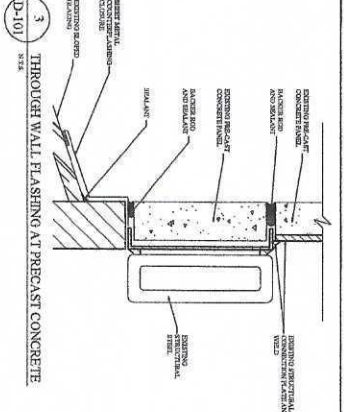
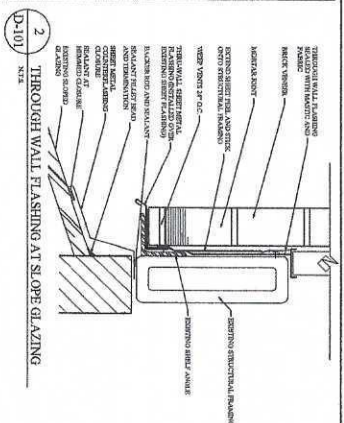
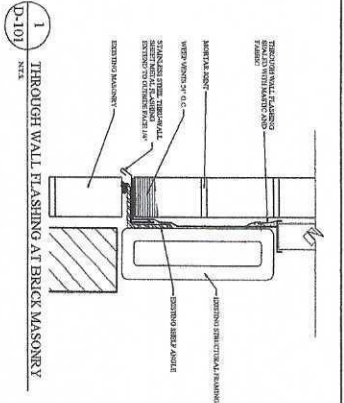
**NOTES:**

1. REMOVAL OF EXISTING BRICK MASONRY IN THE AREAS OF WORK AND REPAIR FROM THE INSTALLATION OF NEW THROUGH BRICK AS POSSIBLE AND STORE FOR REUSE. DAMAGED BRICK SHALL BE REPAIRED TO MATCH EXISTING. SOME BRICK ARE NOT AVAILABLE IN THE MARKET AND SHALL BE REPAIRED TO MATCH EXISTING. ANOTHER AREA OF THE BUILDING, REPAIRS TO BRICKS WILL BE TO BE REPAIRED USING BRICK TO MATCH COLOR AS CLOSE AS POSSIBLE.
2. REMOVAL OF ROOFING AND VERTICAL SEALANT JOINTS AT EXISTING ROOF LINE AND REPAIR WITH NEW SEALANT JOINTS AND INSTALLATION OF NEW THROUGH WALL FLASHING.
3. REMOVAL OF GLAZING SYSTEM AND CURTAIN WALL SEALANTS AND GLAZERS FOR REPAIRMENT WITH NEW IS REQUIRED.



SECTION A  
 NEW PARTIAL NORTHEAST FACING ELEVATION  
 1/2" = 1'-0"





**NOTES:**  
 1. ALL SEALANT JOINTS SHALL BE INSTALLED AT ALL CONDITIONS THROUGHOUT AREA OF WORK.  
 2. SEALANT JOINTS TO BE APPLIED TO ALL JOINTS BETWEEN WINDOW FRAME AND GLASS.  
 3. SEALANT JOINTS TO BE APPLIED TO ALL JOINTS BETWEEN WINDOW FRAME AND SUBSTRATE.  
 4. SEALANT JOINTS TO BE APPLIED TO ALL JOINTS BETWEEN WINDOW FRAME AND WINDOW GLAZING.

**NOTE:**  
 1. ALL SEALANT JOINTS SHALL BE INSTALLED AT ALL CONDITIONS THROUGHOUT AREA OF WORK.

5 WINDOW WET GLAZING  
 D-101  
 NTS

6 STANDARD SEALANT JOINT  
 D-101  
 NTS

7 FILL BIT JOINT  
 D-101  
 NTS

