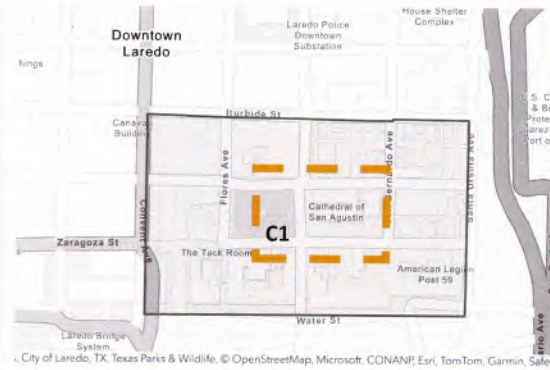


Santa Monica Parish Hall WINDOW STABILIZATION PROJECT

At former St. Augustine Parochial School, RTHL



ST. AUGUSTINE PAROCHIAL SCHOOL
RECORDED TEXAS HISTORIC LANDMARK (RTHL)



SAN AGUSTIN DE LAREDO HISTORIC DISTRICT



OWNER

BISHOP JAMES A. TAMAYO, D.D.
DIOCESE OF LAREDO
1901 CORPUS CHRISTI ST.
LAREDO, TEXAS 78043

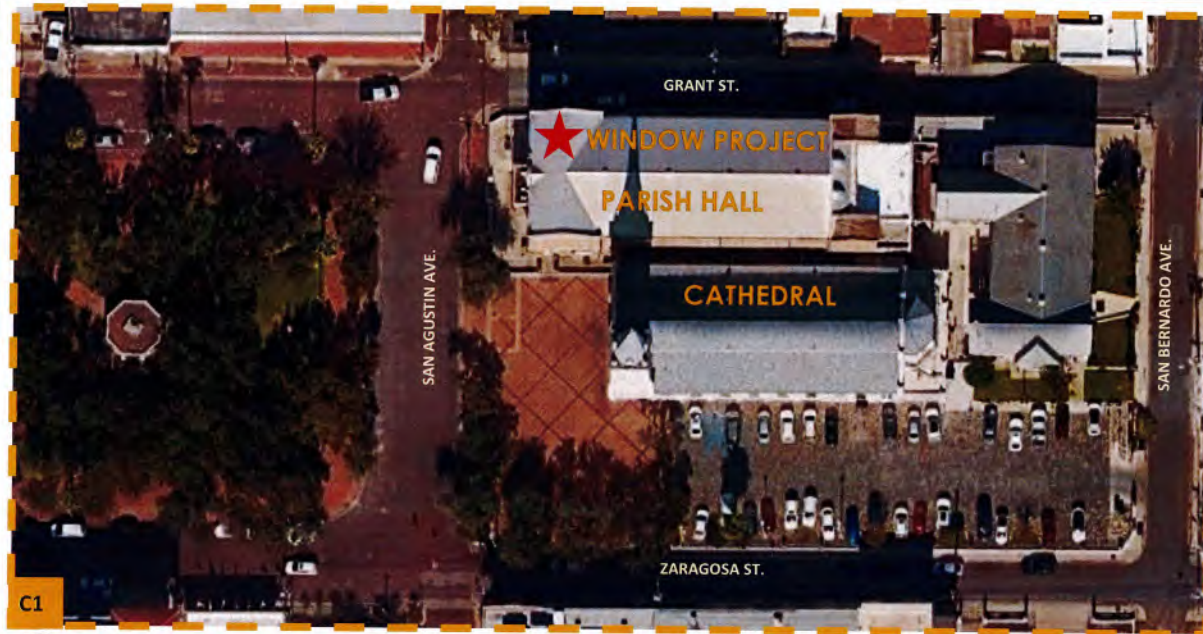
CONTACT: CECILIA MORENO, FISCAL
956-727-2140 EXT. 7855

PARISH

SAN AGUSTIN CATHEDRAL
201 SAN AGUSTIN AVE.
LAREDO, TEXAS 78040

LIST OF DRAWINGS

- T1.....TITLE SHEET, HISTORIC DESIGNATION, & LIST OF DRAWINGS
- RS1.... ROOF/SITE/TRAFFIC
- L1.1... LEGEND / REFERENCES
- A1.1...PROJECT GOALS, WINDOW CONDITION SURVEY RESULTS, SCOPE, BIDS, ALTERNATES, AND PHASES
- A1.2...CONTRACTS, SCOPE & COORDINATION
- A2.1...WINDOW TYPE 'A' RESTORATION
- A2.2...WINDOW TYPE 'A' RESTORATION
- A2.3...WINDOW TYPE 'A' RESTORATION
- A3.1...WINDOW TYPE 'G' RESTORATION
- A3.2...WINDOW TYPE 'G' RESTORATION
- A3.3...WINDOW TYPE 'G' RESTORATION
- A4.1...WINDOW SET EN304 - SALVAGE & REPLACE
- A4.2...WINDOW SET EN303 - SALVAGE & REPLACE
- A4.3...WINDOW SET EN301 - SALVAGE & REPLACE
- A4.4...WINDOW SET EN302 - SALVAGE & REPLACE
- A4.5...WINDOW SETS EN301 THRU EN306
- A5.1...WINDOW SETS EN201 THRU EN206
- A6.1...ALTERNATE: TYPE 'B' 12 @ WEST
ALTERNATE: TYPE 'K' 12 @ NORTH
ALTERNATE: TYPE 'H' 2 & 'J' 2 @ NORTH



SITE PLAN AERIAL - PROJECT LOCATION MAP

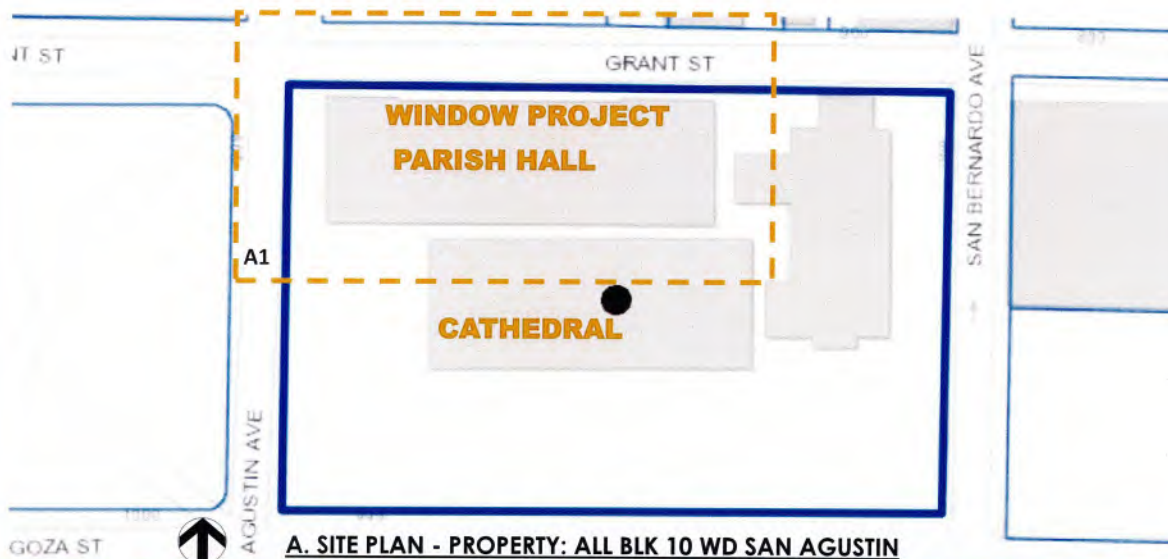
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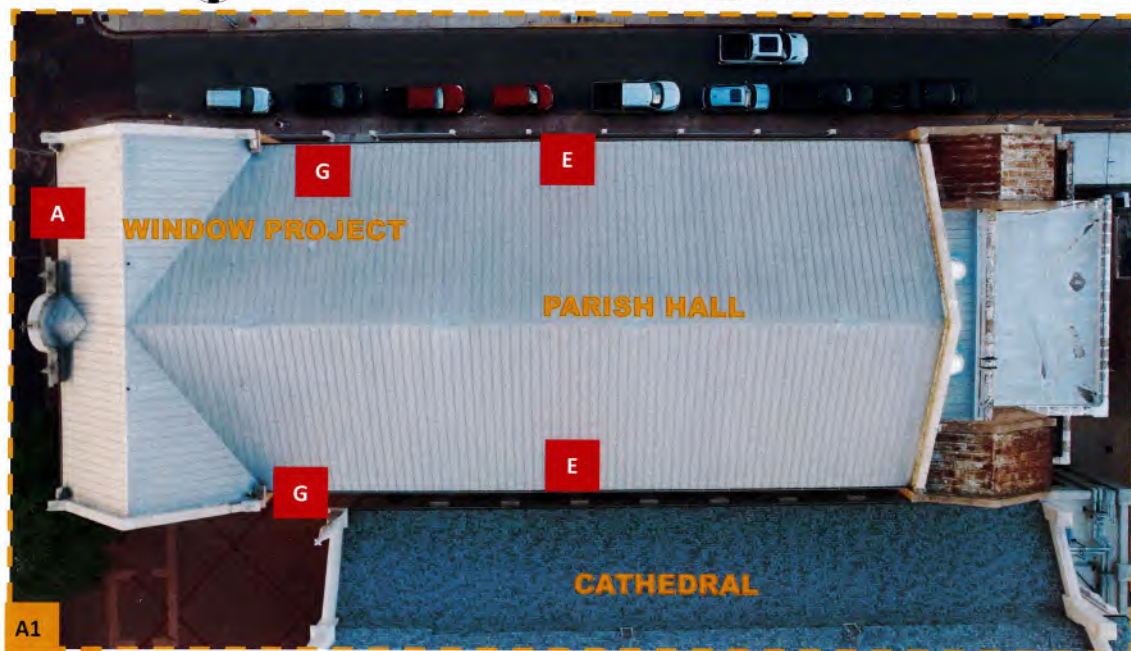
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Window Stabilization
Laredo, Texas

SHEET
T1



A. SITE PLAN - PROPERTY: ALL BLK 10 WD SAN AGUSTIN



B. ROOF CONDITION - BUILDING/WINDOWS 'G' 'E' PROXIMITY TO STREET & CATHEDRAL



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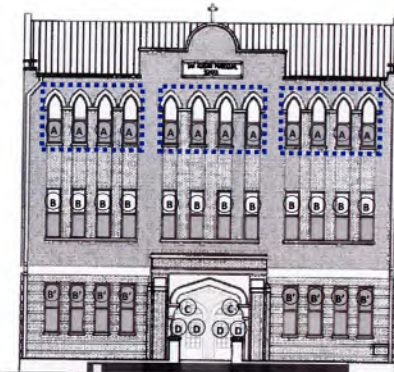
Window Stabilization

Laredo, Texas

**SHEET
SR1**



2 — NORTH ELEVATION
GRANT ST.



1 — WEST ELEVATION
SAN AGUSTIN AVE.

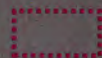


WINDOW ID:

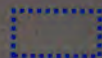
SAMPLE: AW301

A — WINDOW TYPE
W — WEST ELEVATION
3 — 3RD FLOOR
01 — UNIT IN SERIES

LEGEND:



EXTREME CONDITION



RESTORATION



SEE ENLARGEMENT



ENLARGED VIEW



WINDOW TYPE



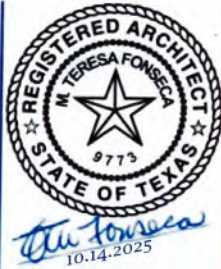
KEYED NOTE



SASH MISSING / BEYOND REPAIR



COMPONENT DAMAGED



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SHEET

L 1.1

PROJECT SCOPE—WINDOWS

PROJECT GOALS:

1. STABILIZATION OF WINDOWS AT THE PARISH HALL OF THE SAN AGUSTIN CATHEDRAL, LAREDO, WEBB COUNTY, TEXAS. THE BUILDING CONTAINS 280 WINDOWS.
2. KEY RESULTS OF THE WINDOW CONDITION STUDY INCLUDED: a) WINDOWS IN SEVERE AND EXTREME DETERIORATION TO BE LOCATED ON THE NORTH ELEVATION, b) IDENTIFICATION OF THE MOST ARCHITECTURALLY SIGNIFICANT FEATURES OF THE PUBLIC FACING ELEVATIONS, c) GREATEST MAINTENANCE ISSUE CAUSING PORTIONS OF GLASS & SASH TO FALL OFF AND UNTO THE SIDEWALK & STREET BELOW, AND d) PRIORITIZATION DUE TO CONDITION, LOGISTICS & FUNDING.

PROJECT SCOPE PHASE 1: THEREFORE, THE PROJECT HEREIN IS IDENTIFIED AS PHASE 1 AND INCLUDES RESTORATION OF THE ARCHITECTURALLY SIGNIFICANT WINDOWS:

BASE BID:

- ITEM 1. TYPE 'A' GOTHIC ARCH SINGLE HUNG WINDOWS ON THE WEST (MAIN) FAÇADE. THESE 12 WINDOWS WILL BE RESTORED, PROVIDE FULL REHABILITATION.
- ITEM 2. TYPE 'G' GOTHIC ARCH FIXED TRANSOM WINDOWS AT THE 3RD FLOOR, NORTH & SOUTH ELEVATIONS, FEATURE AT THEIR RESPECTIVE STAIRWAYS. FULL REHABILITATION.
- ITEM 3. TYPE 'E' SETS OF 3 EXTRA LARGE DOUBLE HUNG WINDOWS (6/6) ON THE NORTH ELEVATION, BEING THE MAJOR MAINTENANCE & SAFETY ISSUES. THE STUDY FOUND THE MAJORITY OF THE UNITS ON THE 3RD FLOOR OF THE NORTH ELEVATION TO LACK STRUCTURAL STABILITY AND BE BEYOND REPAIR TO EFFECTIVELY PERFORM ALL THE FUNCTIONS OF THE WINDOW, CONTINUE TO ENDURE THE WEATHER, MOISTURE & ENVIRONMENTAL CONDITIONS, AS WELL AS REQUIRE EXTENSIVE MAINTENANCE WHILE BEING LOCATED ON THE 3RD FLOOR WITH THE HIGHEST CHALLENGE FOR MONITORING.

WINDOW TYPE	QUANTITY	ELEVATION	FLOOR	W X H	WINDOW DESCRIPTION	BASE BID	DESCRIPTION	WINDOW NOS.
A	12	WEST	3RD	2'-4" X 8'-1"	GOthic ARCH SINGLE HUNG 1/1	#1	FULL REHABILITATION	AW301, AW302, AW303, AW304, AW305, AW306, A307, AW308, AW309, AW310, AW311,AW312
G	2	N and S	3RD	6'-0" X 8'-1"	GOthic ARCH FIXED (5 LITES)	#2	FULL REHABILITATION	GN301 & GS301
E	18	NORTH	3RD	2'-4" X 8'-1"	DOUBLE HUNG 6/6	#3	SALVAGE & REPLACEMENT w/HISTORIC WINDOW	EN301, EN302, EN303, EN304, EN305, EN306

ALTERNATES PROVIDE COST FOR RESTORATION VS REPLACEMENT: FIELD INSPECTIONS TO EVALUATE FOR REHABILITATION, RESTORATION AND/OR REPLACEMENT:

ALTERNATE #1: TYPE 'B' - quantity 12 @ WEST, 2ND FLOOR

ALTERNATE #2: TYPE 'K' - quantity 12 @ NORTH, 2ND & 3RD FLOORS

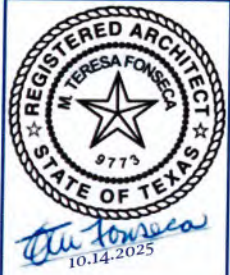
ALTERNATE #3: TYPE 'H' - quantity 2 & TYPE 'J' - quantity 2 @ NORTH, STAIRWAY LANDINGS NEAR 2ND FLOOR

ALTERNATE #4: TYPE 'L' - quantity 5, TYPE 'N' - quantity 5 & TYPE 'P' - quantity 4 @ NORTH, STAIRWAY LANDINGS NEAR 2ND & 3RD FLOORS

FUTURE PHASES:

PHASE 2 — COMPLETION OF 2ND & 3RD FLOOR WINDOWS ON NORTH AND WEST ELEVATION; FOLLOWED BY TYPE 'E' WINDOWS ON THE SOUTH ELEVATION AS WELL AS REMAINING WINDOWS ON THE 2ND & 3RD FLOOR.

PHASE 3 — 1ST FLOOR WINDOWS, DOORS, AND TRANSOMS PRIMARY ELEVATIONS FOLLOWED BY SECONDARY ELEVATIONS.



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SHEET
A 1.1

CONTRACTS, SCOPE OF WORK AND COORDINATION

CONTRACT #1 — WINDOW RESTORATION

CONTRACT #2 — WINDOW REPLACEMENT

CONTRACT #3 — GENERAL CONSTRUCTION

CONTRACT #4 — ROOF, GUTTERS & DOWNSPOUTS

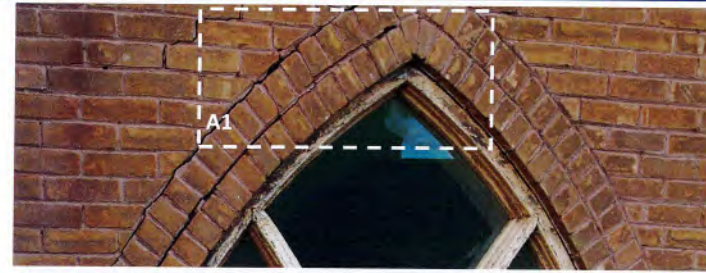
CONTRACT #1 AND #2 — BID ITEMS RELATED TO WINDOW WORK (SUCH AS ITEMS 1, 2 & 3) SHALL INCLUDE ALL RELATED WORK FOR A COMPLETE INSTALLATION INCLUDING BUT NOT LIMITED TO FLASHING, SEALING & PROTECTING WORK IN-PROGRESS. WATER TESTS SHALL BE PROVIDED PRIOR TO SUBSTANTIAL COMPLETION.

CONTRACT #3 — GENERAL CONTRACTOR TO PROVIDE CERTAIN GENERAL CONDITIONS NECESSARY FOR WINDOW CONTRACTOR(S) SUCH AS MOBILIZATION AS IT RELATES TO SCAFFOLDING, PEDESTRIAN PROTECTED WALKWAYS AND STREET CLOSURE WHEN REQUIRED BY CITY AND/OR THE WORK IN PROGRESS. GENERAL CONTRACTOR'S SCOPE SHALL ADDRESS MASONRY (SUCH AS REPOINTING), INTERIOR FINISHES INCLUDING PAINTING OF WOOD WINDOWS, REPAIRS TO DRYWALLS AND/OR ROUGH OPENINGS AS THEY ARE PREPARED FOR WINDOW INSTALLATION, SURVEYING ELECTRICAL DEVICES ON NORTH AND WEST ELEVATIONS FOR REMOVAL AND/OR REPLACEMENT.

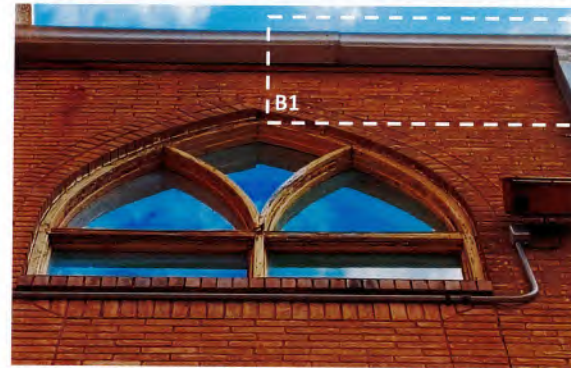
CONTRACT #4 — SCOPE TO BE DETERMINED TO ENSURE ROOF PERIMETER IS SEALED AND EXISTING GUTTERS AND DOWNSPOUTS ARE ADEQUATELY SIZED AND PLACED TO ADDRESS STORM DRAINAGE. CONSIDER INSTALLATION OF INTERIOR ROOF DRAINS WHILE REPURPOSING EXISTING GUTTER AND DOWNSPOUTS AS SECONDARY SCUPPERS.

OWNER ALLOWANCES:

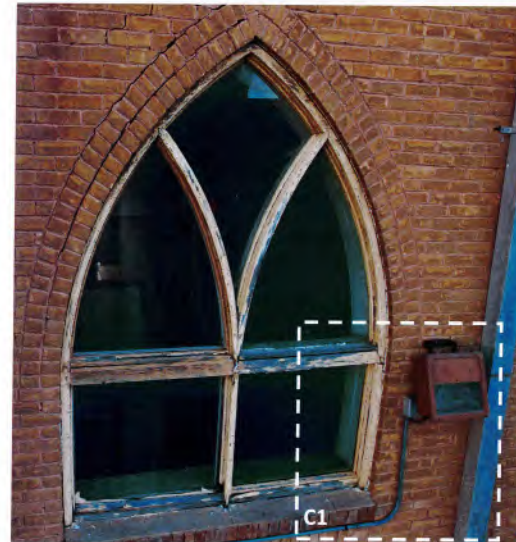
1. TESTING FOR LEAD PAINT ON EXISTING WINDOWS ON NORTH AND WEST ELEVATIONS.
2. TESTING WOOD WINDOW MATERIAL FOR SPECIES AT EACH WINDOW TYPE (A, E & G).
3. GENERAL CONTINGENCY ALLOWANCE PER CONTRACT



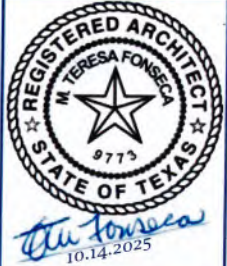
A. MASONRY REPOINTING @ CLERESTORY 'G' NORTH / SOUTH ELEV.



B. GUTTER & DOWNSPOUT @ CLERESTORY 'G' NORTH / SOUTH ELEV.



C. ELECTRICAL WORK IF NECESSARY



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Window Stabilization

Laredo, Texas

SHEET

A1.2

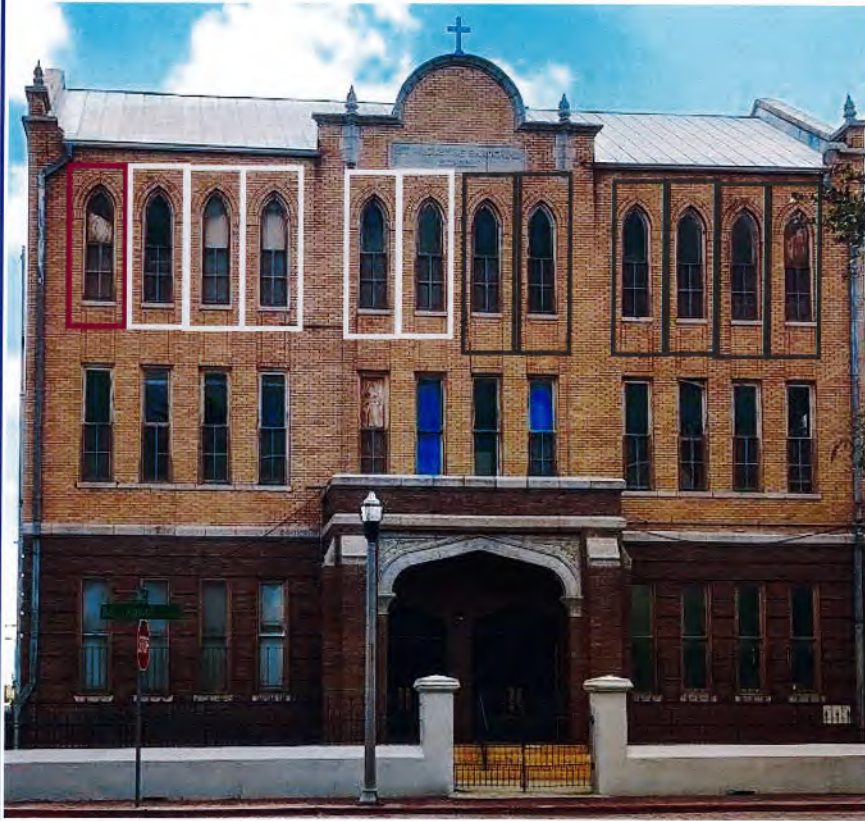
RESTORATION OF ARCHITECTURALLY SIGNIFICANT FEATURES — DESCRIPTION, SCHEDULE AND SCOPE

TYPE 'A' — THE THREE (3) BAYS OF FOUR (4) GOTHIC ARCH WINDOWS (QTY. 12) SHALL BE RESTORED. LOCATED AT THE 3RD FLOOR OF THE MAIN (WEST) ELEVATION, THE WINDOWS ARE A DISTINCT FEATURE OF THE FAÇADE COMPOSITION. WHILE THE MASS IS DIVIDED BY A STONE COURSE SEPARATING THE DARKER BRICK BASE, AND THE LIGHTER BRICK OF THE 2ND AND 3RD FLOOR; THE FAÇADE IS DIVIDED INTO THREE (3) BAYS WITH A RAISED PARAPET WALL DEMARKING THE CENTRAL ENTRANCE BAY. THE SUBJECT WINDOWS PLACEMENT IS ARCHITECTURALLY SIGNIFICANT BOTH IN PLACEMENT AND DESIGN. WHILE THE CONDITION OF THE WINDOWS RANGE FROM MODERATE TO SEVERLY DAMAGE, FULL RESTORATION IS RECOMMENDED INCLUDING TAKING ADVANTAGE OF THE SINGLE FIXED PANE SASH TO BE CONVERTED INTO AN ENERGY EFFICIENT INSULATED GLASS PANEL.

WINDOW TYPE	QUANTITY	ELEVATION	FLOOR	W X H	WINDOW DESCRIPTION
A	12	WEST	3RD	2'-4" X 8'-1"	GOthic ARCH SINGLE HUNG 1/1

BASE BID ITEM 1. FULL REHABILITATION OF WINDOWS (TYPE A , WEST, 3RD)
REFER CASE STUDY: HIGHLIGHTED WINDOWS

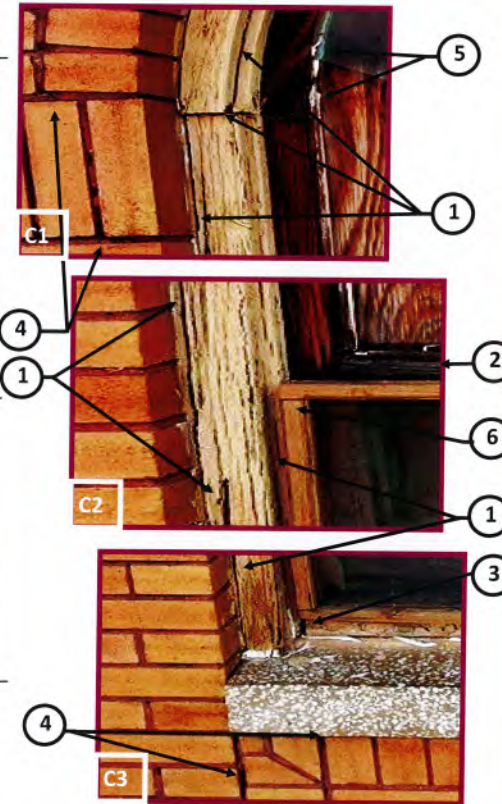
LEFT BAY: AW301, AW302, AW303, AW304; CENTER BAY: AW305, AW306, AW307, AW308; RIGHT BAY: AW309, AW310, AW311, AW312



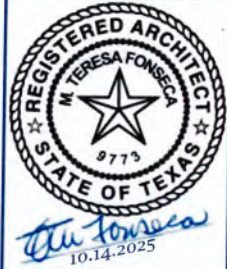
A. WEST ELEVATION — WINDOW LOCATION



B. TYPICAL TYPE 'A' WINDOW
AW301



C. WINDOW DETAILS (SPRING JOINT, JAMB, SILL)



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A2.1

GENERAL AND KEY NOTES

1. WOOD FRAME: SHRINKING, SEPERATION & CRACKING. COMMON CAUSE OF MOISURE INFILTRATION, AIR LEAKS & STRUCTURAL INSTABILITY.
2. UPPER SASH: BOTTOM RAIL SEVERE DETERIORATION CAUSED LOSS OF GLAZING SUPPORT & GLASS PANE TO DROP OUT OF THE FRAME.
3. WOOD SILL: MOISTURE DETERIORATION CAUSING SHRINKING, SEPERATION, & STRUCTURAL INSTABILITY TO WINDOW FRAME.
4. BRICK COURSE (ARCH DOUBLE HEADER TO ROWLOCK, SOLDIER BAND AT SPRING POINT, ROWLOCK & MIDERED BRICKWORK BELOW CAST STONE SILL: COMMN MOISTURE INFILTRATION BEHIND BRICK, WOOD FRAME & CAUSE STRUCTURAL INSTABILITY. REQUIRE REPOINTING & CONTINUOUS WATERPROOFING AT WINDOW.
5. GLASS PANE & GLAZING: DAMAGE, DETERIORATED, NEEDS REPLACEMENT OF GLASS & CONTINUOUS GLAZING.
6. MISSING HISTORIC FABRIC: REFABRICATE WITH MATCHING MATERIAL SUCH AS LONGLEAF PINE (AS PER MATERIAL TEST)
7. NON-HISTORIC HALF WOOD SCREEN: REMOVE.
8. PROVIDE SHOP DRAWINGS FOR ALL REPAIRS, VERIFY DIMENSIONS AND SITE CONDITIONS, IDENTIFY SCOPE OF REHABILITATION OF WINDOWS INCLUDING ITEMS BEYOND REPAIR REQUIRING RECONSTRUCTION. IDENTIFY THERMAL AND MOISTURE PROTECTION FOR WINDOW INSTALLATIONS TO EXISTING OPENINGS.



A. WINDOW AW302

B. WINDOW AW303



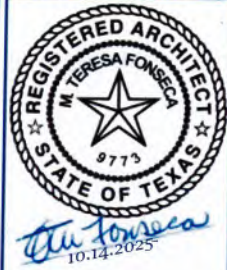
C. PARTIAL WINDOW AW304



D. WINDOW AW305



E. WINDOW AW306



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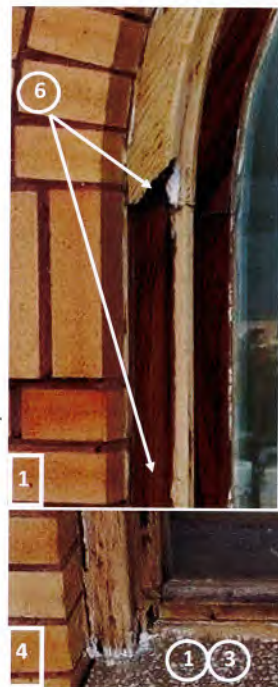
Laredo, Texas

SHEET
A2.2

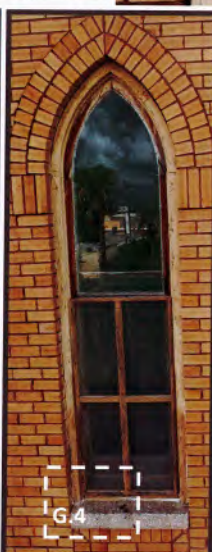


A. WINDOW AW307

6'-1 1/2" ARCH SPRING POINT



B. WINDOW AW308



C. WINDOW AW309



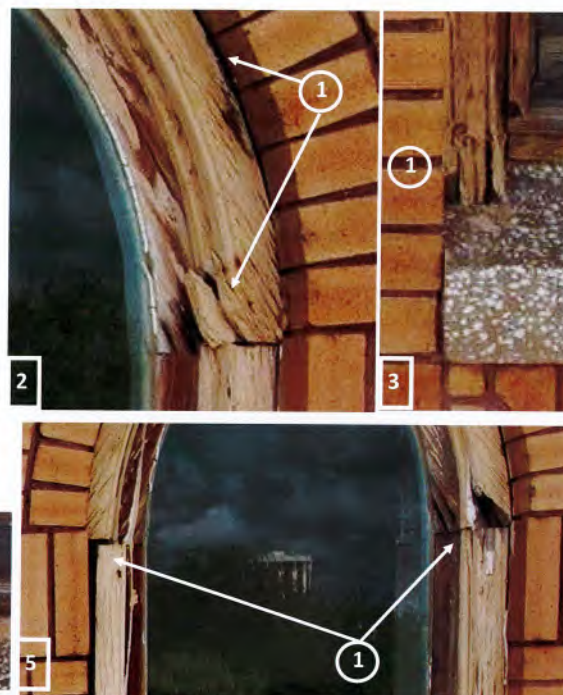
D. WINDOW AW310



E. WINDOW AW311



F. WINDOW AW312



G. WINDOW DETAILS
(SPRING JOINT,
JAMB, TRIM, & SILL)



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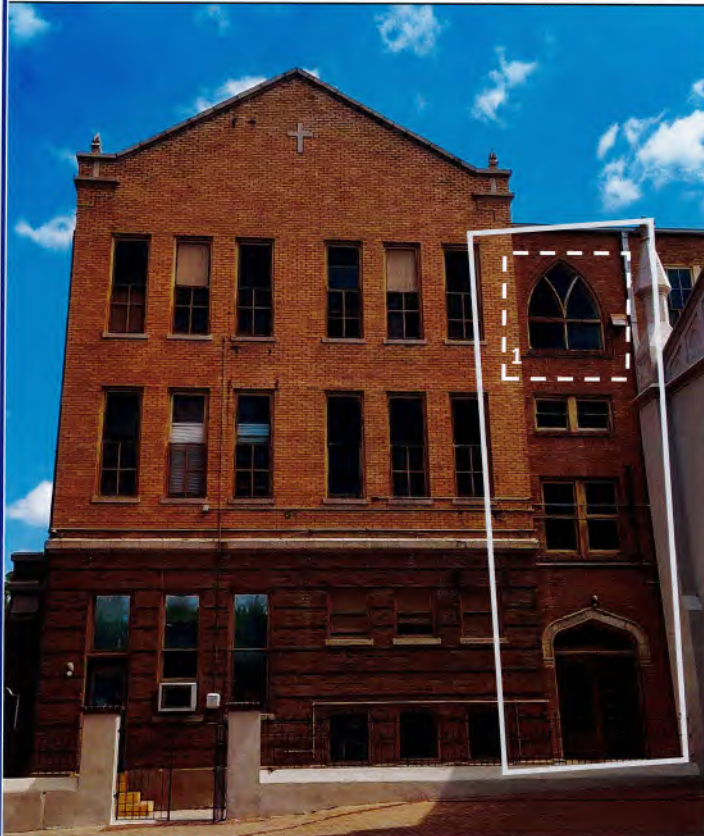
SHEET

A2.3

RESTORATION OF ARCHITECTURALLY SIGNIFICANT FEATURES — DESCRIPTION, SCHEDULE AND SCOPE

TYPE 'G' — A LARGE GOTHIC ARCHED FIXED GLASS TRANSOM WINDOW (FIVE (5) LITES) IS THE TOP ELEMENT OF A 4-WINDOW COMPOSITE LOCATED AT TWO (2) STAIRWAYS WITH A PAIR OF DOORS AT THE GROUND LEVEL AT BOTH, THE NORTH AND THE SOUTH FAÇADE. THE SIGNIFICANT FEATURE TO BE RESTORED IS THE 5 PIECE ARCH COMPOSITE (TRACERY TRANSOM). EACH SINGLE PANE LITE TO BE CONVERTED INTO AN ENERGY EFFICIENT INSULATED GLASS MAINTAINING A TRUE DIVIDED LITE ASSEMBLY. WHERE ELEVEMNTS OF THE EXISTING WOOD FRAME ARE FOUND TO BE BEYOND REPAIR, IT WILL BE REPLACED WITH MATCHING MATERIAL AND DETAIL.

WINDOW TYPE	QUANTITY	W X H	ELEVATION	FLOOR	WINDOW DESCRIPTION	BASE BID ITEM 2. FULL REHABILITATION OF WINDOW TYPE 'G'
'G'	2	6'-0" X 8'-1"	SOUTH	3RD	GOthic ARCH FIXED (5 LITES)	GS301
			NORTH	3RD	GOthic ARCH FIXED (5 LITES)	GN301



A.SOUTH ELEVATION — TYPE 'G' WINDOW - GS301



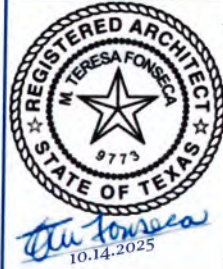
A. 1 — GS301



B. 1 — GN301



B. NORTH ELEVATION — WINDOW - GN301



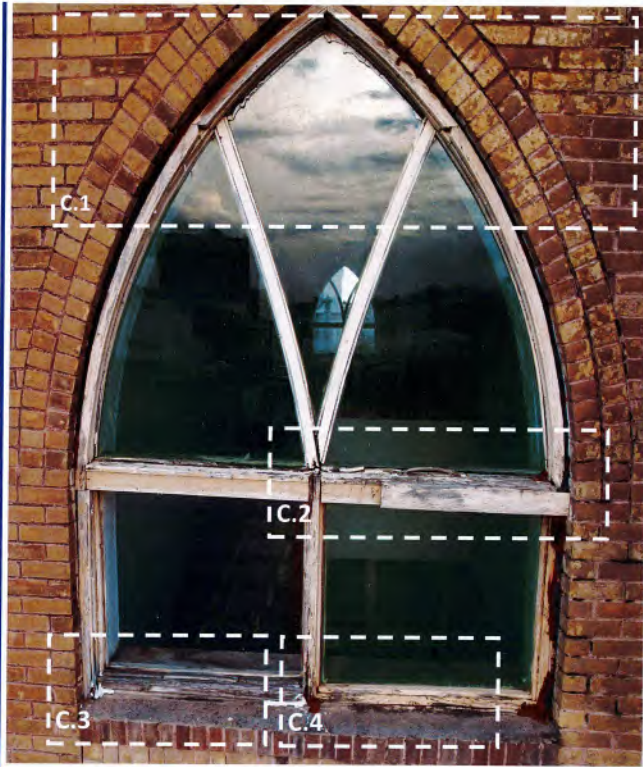
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A3.1



A. NORTH ELEVATION — TYPE 'G' WINDOW - GN301



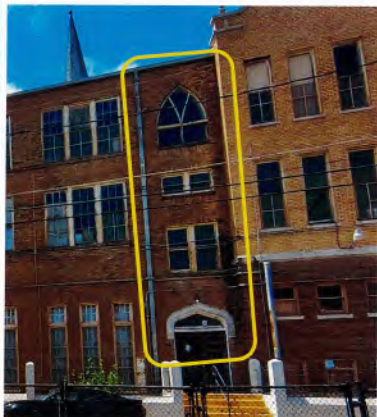
REFER GENERAL AND KEY NOTE SHEET A4.2

TOPICS INCLUDED:

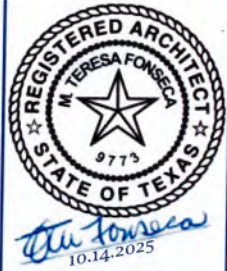
1. WOOD FRAME: SHRINKING, SEPERATION & CRACKING.
2. N/A
3. WOOD SILL: MOISTURE DETERIORATION
4. BRICK COURSE MOISTURE INFILTRATION
5. GLASS PANE & GLAZING: DETERIORATED
6. MISSING HISTORIC FABRIC (MATERIAL TEST)
7. N/A
8. PROVIDE SHOP DRAWINGS



C. WINDOW DETAILS (HEAD, JAMB, MULLION, RAIL, SILL)



B. NORTH ELEVATION — WINDOW LOCATION



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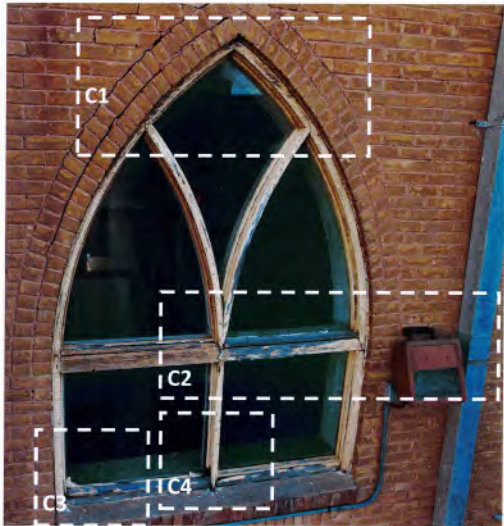
**SHEET
A3.2**



A. SOUTH ELEVATION — WINDOW LOCATION



B. SOUTH TRANSOM WINDOW — GS301



C. NORTH WINDOW — TYPE 'G' - GS301



C. WINDOW DETAILS (HEAD, MULLION/RAIL, JAMB, SILL)



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SHEET
A3.3

REPLACEMENT OF MISSING/DETERIORATED HISTORIC WINDOWS — DESCRIPTION, SCHEDULE AND SCOPE

TYPE 'E1' IS ONE (1) OF 12 SETS OF THREE (3) DOUBLE HUNG WINDOWS WITH SIX OVER SIX (6/6) LITES LOCATED ON THE NORTH ELEVATIONS. THESE TWELVE (12) ARE THE MOST CRITICALLY DAMAGED WINDOWS FOUND ON THE 1927 BUILDING. UNFORTUNETLY, FOUR (4) OF SIX (6) SETS LOCATED AT THE THIRD (3RD) FLOOR ARE **SEVERLY COMPROMISED BEYOND REPAIR** TO EFFECTIVELY PERFORM ALL THE FUNCTIONS OF THE WINDOW WHILE ONE (1) SET (EN304) IS COMPLETELY MISSING. WHILE THE FOLLOWING PAGES WILL REVIEW EACH SET, IT SHOULD BE SUMMARIZED THAT THE SAME WINDOWS EXPOSED TO THE SOUTH WEATHER WOULD HAVE BEEN WORSE IF NOT PROTECTED BY THE ADJOINING CATHEDRAL STRUCTURE. WE RECOMMEND SALVAGING ANY COMPONENTS TO RESTORE THE TYPE 'E' SETS ON THE SOUTH ELEVATION OVER THOSE ON THE NORTH ELEVATION.

WINDOW TYPE	QUANTITY	ELEVATION	FLOOR	W X H	WINDOW DESCRIPTION
E SETS	18	NORTH	3RD	2'-4" X 8'-1"	DOUBLE HUNG 6/6
E SETS	18	NORTH	2ND	2'-4" X 8'-1"	

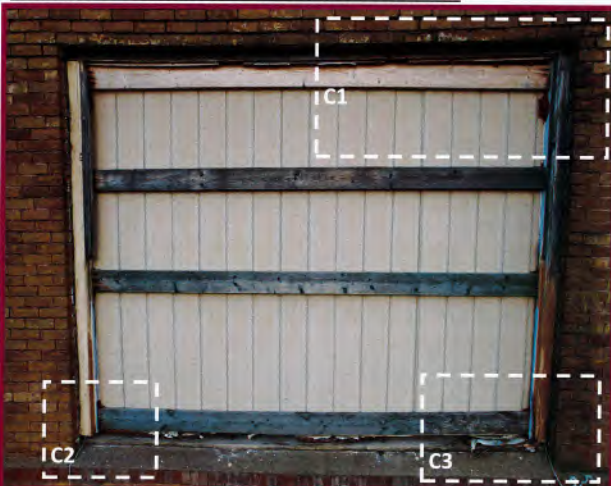
BASE BID ITEM 3. PRICE REPLACEMENT VS FULL REHABILITATION OF WINDOWS (TYPE 'E', NORTH, AT 2ND & 3RD) REFER CASE STUDY: HIGHLIGHTED WINDOWS

3RD FLOOR — **EN301, EN302, EN303, EN304**, EN305, EN306

2ND FLOOR — EN201, EN202; EN203, EN204, EN205, EN206



A. NORTH ELEVATION — WINDOW LOCATION



B. NORTH TYPE 'E' WINDOW SET — EN304

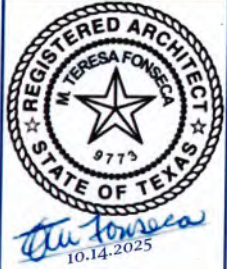


C2



C3

C. WINDOW DETAILS (HEAD, MULLION/RAIL, JAMB, SILL)



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A4.1

REPLACEMENT OF MISSING/DETERIORATED HISTORIC WINDOWS — DESCRIPTION, SCHEDULE AND SCOPE

TYPE 'E2' — EN303 IS ONE (1) OF THE FOUR (4) SETS OF TYPE 'E' WINDOWS AT THE (3RD) FLOOR WHICH ARE **SEVERLY COMPROMISED BEYOND REPAIR** TO EFFECTIVELY PERFORM ALL THE FUNCTIONS OF THE WINDOW. WE RECOMMEND SALVAGING ITS COMPONENTS TO RESTORE THE TYPE 'E' SETS ON SOUTH ELEVATION OVER THOSE ON THE NORTH.

GENERAL AND KEY NOTES

1. WOOD FRAME: SHRINKING, SEPERATION & CRACKING CAUSE OF MOISURE INFILTRATION, AIR LEAKS & STRUCTURAL INSTABILITY.
2. UPPER SASH: BOTTOM RAIL'S SEVERE DETERIORATION CAUSED LOSS OF GLAZING SUPPORT & GLASS PANE TO DROP OF THE FRAME
3. WOOD SILL: MOISTURE DETERIORATION CAUSING SHRINKING, SEPERATION, & STRUCTURAL INSTABILITY TO WINDOW FRAME.
4. BRICK COURSE: COMMN MOISTURE INFILTRATION BEHIND BRICK, WOOD FRAME & CAUSE OF STRUCTURAL INSTABILITY. REQUIRE REPOINTING & CONTINUOUS WATERPROOFING AT WINDOW
5. GLASS PANE & GLAZING: DAMAGE, DETERIORATED, NEEDS REPLACEMENT OF GLASS & CONTINUOUS GLAZING.
6. MISSING HISTORIC FABRIC: REFABRICATE WITH MATCHING MATERIAL SUCH AS LONGLEAF PINE, PER MATERIAL TEST
7. NON-HISTORIC HALF WOOD SCREEN: REMOVE.
8. PROVIDE SHOP DRAWINGS FOR ALL REPAIRS, VERIFY DIMENSIONS AND SITE CONDITIONS, IDENTIFY SCOPE OF REHABILITATION OF WINDOWS INCLUDING ITEMS BEYOND REPAIR REQUIRING RECONSTRUCTION. IDENTIFY THERMAL AND MOISTURE PROTECTION FOR WINDOW INSTALLATIONS TO EXISTING OPENINGS.



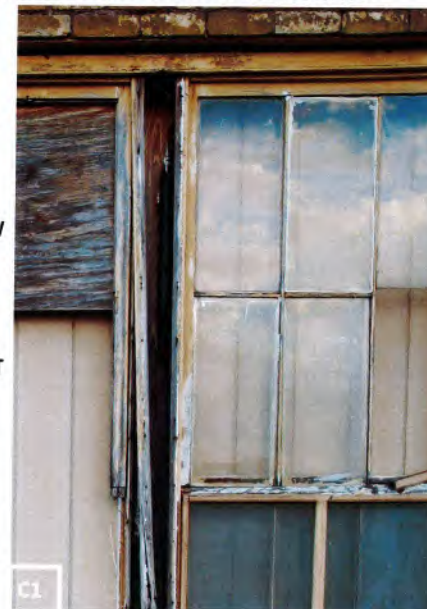
A. NORTH ELEVATION — WINDOW LOCATION



B. NORTH TYPE 'E' WINDOW SET — EN303



C. WINDOW DETAILS (HEAD, MULLION/RAIL, JAMB, SILL)



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A4.2

REPLACEMENT OF MISSING/DETERIORATED HISTORIC WINDOWS

TYPE 'E3' — EN301 IS ONE (1) OF THE FOUR (4) SETS OF TYPE 'E' WINDOWS AT THE (3RD) FLOOR WHICH ARE **SEVERLY COMPROMISED BEYOND REPAIR** TO EFFECTIVELY PERFORM ALL THE FUNCTIONS OF THE WINDOW. WE RECOMMEND SALVAGING ITS COMPONENTS TO RESTORE THE TYPE 'E' SETS ON THE SOUTH ELEVATION OVER THOSE ON THE NORTH ELEVATION.



A. NORTH ELEVATION — WINDOW LOCATION



B. NORTH TYPE 'E' WINDOW SET — EN301



C. WINDOW DETAILS (HEAD, MULLION/RAIL, JAMB,



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A4.3

REPLACEMENT OF MISSING/DETERIORATED HISTORIC WINDOWS

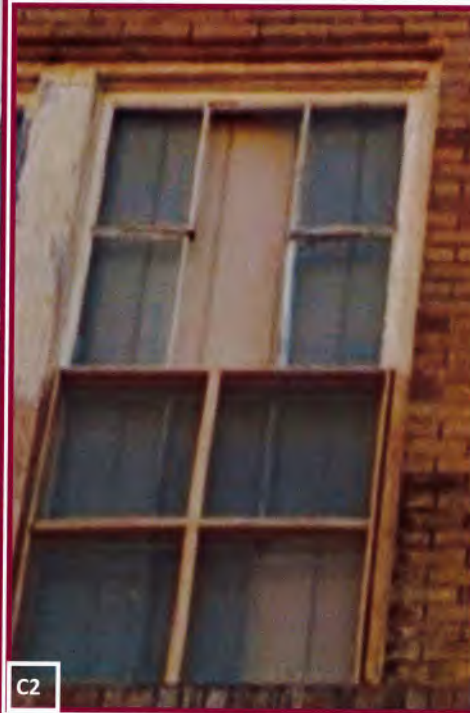
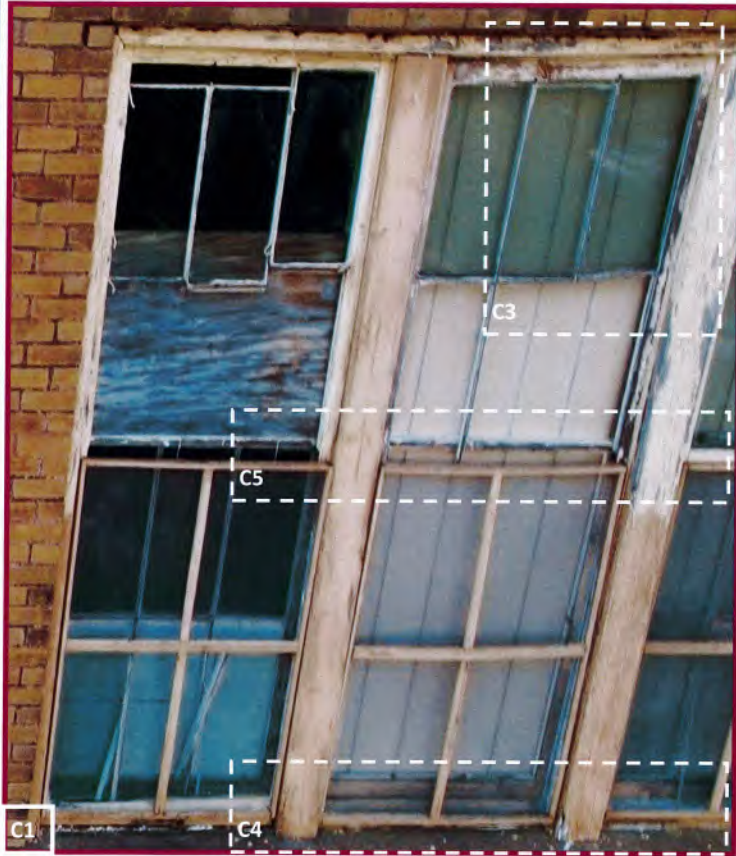
TYPE 'E3' — EN302 IS ONE (1) OF THE FOUR (4) SETS OF TYPE 'E' WINDOWS AT THE (3RD) FLOOR WHICH ARE **SEVERLY COMPROMISED BEYOND REPAIR** TO EFFECTIVELY PERFORM ALL THE FUNCTIONS OF THE WINDOW. WE RECOMMEND SALVAGING ITS COMPONENTS TO RESTORE THE TYPE 'E' SETS ON THE SOUTH ELEVATION OVER THOSE ON THE NORTH ELEVATION.



A. NORTH ELEVATION — WINDOW LOCATION



B. NORTH TYPE 'E' WINDOW SET — EN302



C. WINDOW DETAILS (HEAD, MULLION/RAIL, JAMB, SILL)



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SUMMARY OF NORTH TYPE 'E' WINDOW SETS AT 3RD FLOOR: SEVER DAMAGE AT MAJORITY OF THE SETS AND MAJORITY OF THE 18 DH UNITS.

SINCE SOUTH TYPE 'E' ARE IN BETTER CONDITIONS HAVING HAD BETTER PROTECTION FROM THE WEATHER, THEN SALVAGED MATERIAL COULD BE USED FOR THEIR RESTORATION.



NORTH TYPE 'E' WINDOW SETS — EN301



EN302



EN303



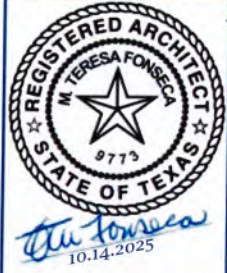
NORTH TYPE 'E' WINDOW SETS — EN304



EN305



EN306



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SUMMARY OF NORTH TYPE 'E' WINDOW SETS AT 2ND FLOOR: ASSORTMENT OF DAMAGE, TEMPORARY REPAIR FAILURE & MOISTURE INFILTRATION AT MAJORITY OF THE SETS AND MOST OF THE 18 DH UNITS. ADDITIONAL INVESTIGATION, WINDOW SITE SURVEY & TESTING RECOMMENDED PRIOR TO RESTORATION AND/OR CONTINUED MIDIGATION.



NORTH TYPE 'E' WINDOW SETS — EN201

EN202

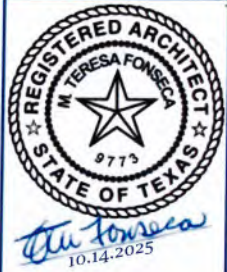
EN203



NORTH TYPE 'E' WINDOW SETS — EN204

EN205

EN206



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A5.1