

REVISIONS

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SEPT 14, 2016
JOB # 2016-018
12/13/2016

A-1.1

PROJECT DATA

OWNER:

ARKE AND BUILD CHRISTIAN CHURCH
518 NW. 17TH ST.
GRAND PRAIRIE, TEXAS 75060
214.881.0166SITE AREA
IMPERVIOUS AREA
OPEN SPACE AREA
LANDSCAPE AREA
OPEN AREA

51,628.54 S.F. (1.19 ACRES)

32,227 S.F. (0.32% COVERAGE)

5,075 S.F. (15.6%)

11,326 S.F. (21.9%)

SF-4

NO ACREAGE IN THE 100 YEAR FLOOD PLAIN

NEW BUILDING

OCCUPANCY

CONSTRUCTION TYPE

V-B (1 STORY, 6,000 S.F.)

162 PEOPLE

OCUPANCY

3,024 S.F.

162 (12) = 3.25%

216"

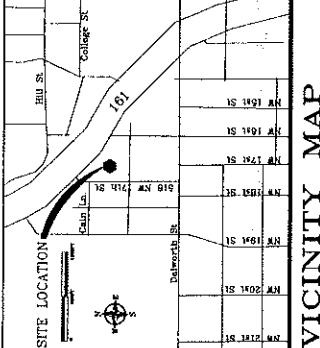
EXISTING BUILDING AREA

4,370 S.F.

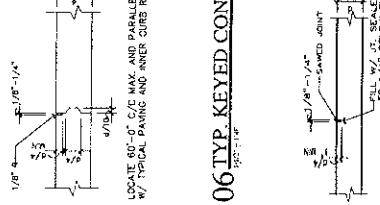
PARKING

REQUIRED PROVIDED
94 SEATS @ 1 PER 3 SPACES
ACCESIBLE 31.3 38
TOTAL SPACES 33.3 30

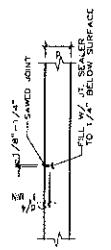
EXIST BLDG. AREA CALCULATIONS	
ROOM	AREA (SF) / IMPERVIOUS (%)
OFFICE 1	801.0 (88%)
OFFICE 2	465.7 (45%)
OFFICE 3	803.4 (89%)
OFFICE 4	863.3 (88%)
OFFICE 5	801.6 (88%)
OFFICE 6	653.7 (65%)
OFFICE 7	801.6 (88%)
ADMINISTRATION	915.7 (92%)
KITCHEN/BREAK ROOM	240.0 (24%)
CLOSER/STORAGE	1,135.5 (114%)
TOILET/SHOWER	105.0 (10%)
STORAGE	553.1 (55%)
STORAGE	111.5 (11%)
DOOR	103.5 (10%)
MES	25.0 (2%)
Total	7,639.1 (76%)



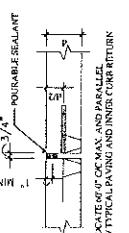
05 SAW CUT JOINT



06 TYP. KEYED CONST. JT.



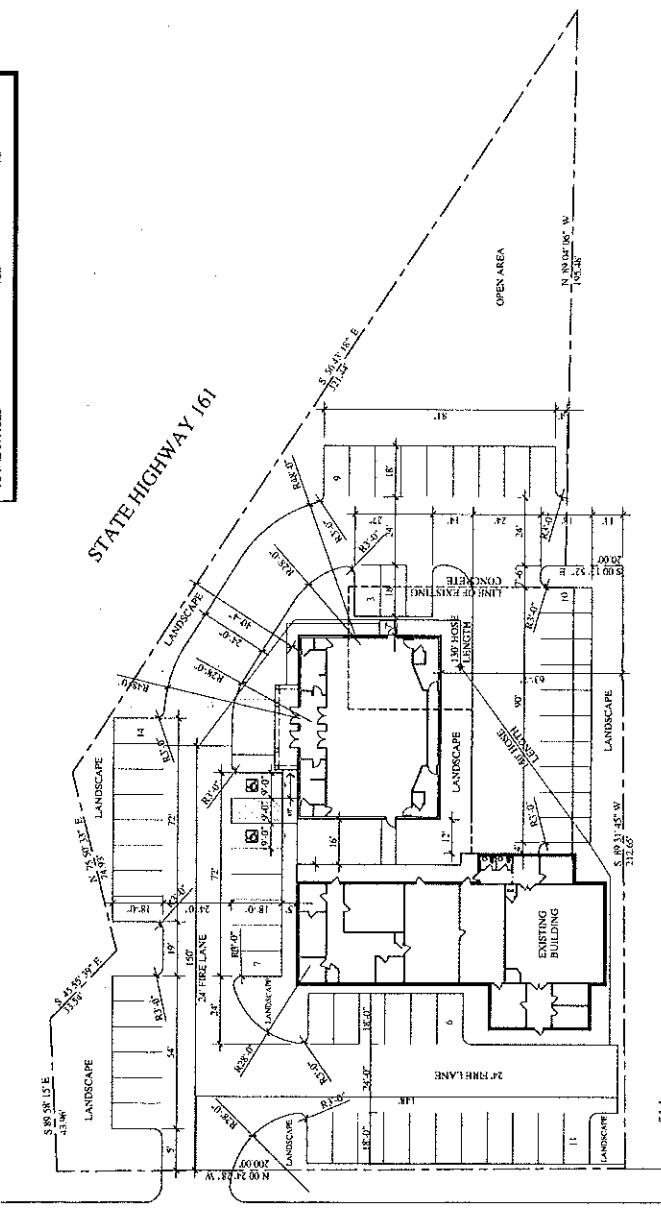
04 CONTROL JOINT



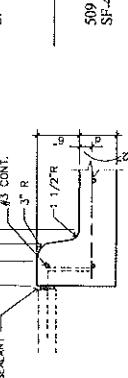
03 SEALANT JOINT



NORTH WEST 17TH STREET



02 TYP. INTEGRAL CURB



01 SITE PLAN

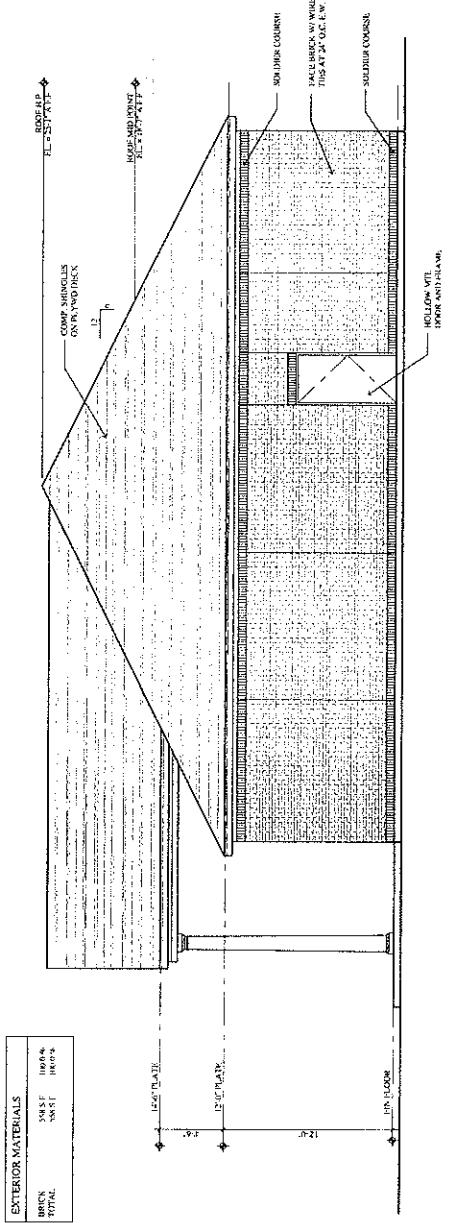


N
S
W
E
0 100' 200' 300'

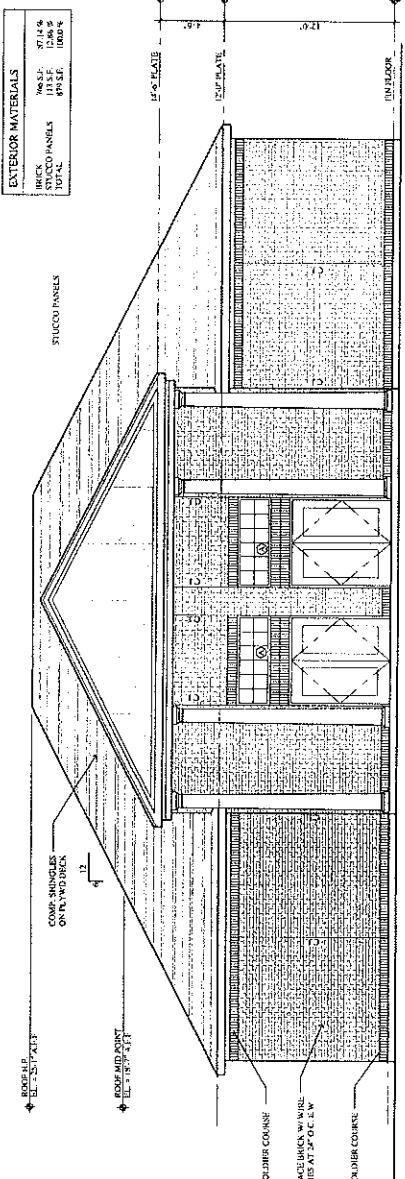
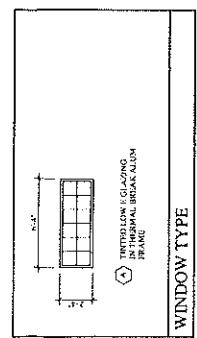


12/15/2016
SEPT 14, 2016
400 ft
2016-018

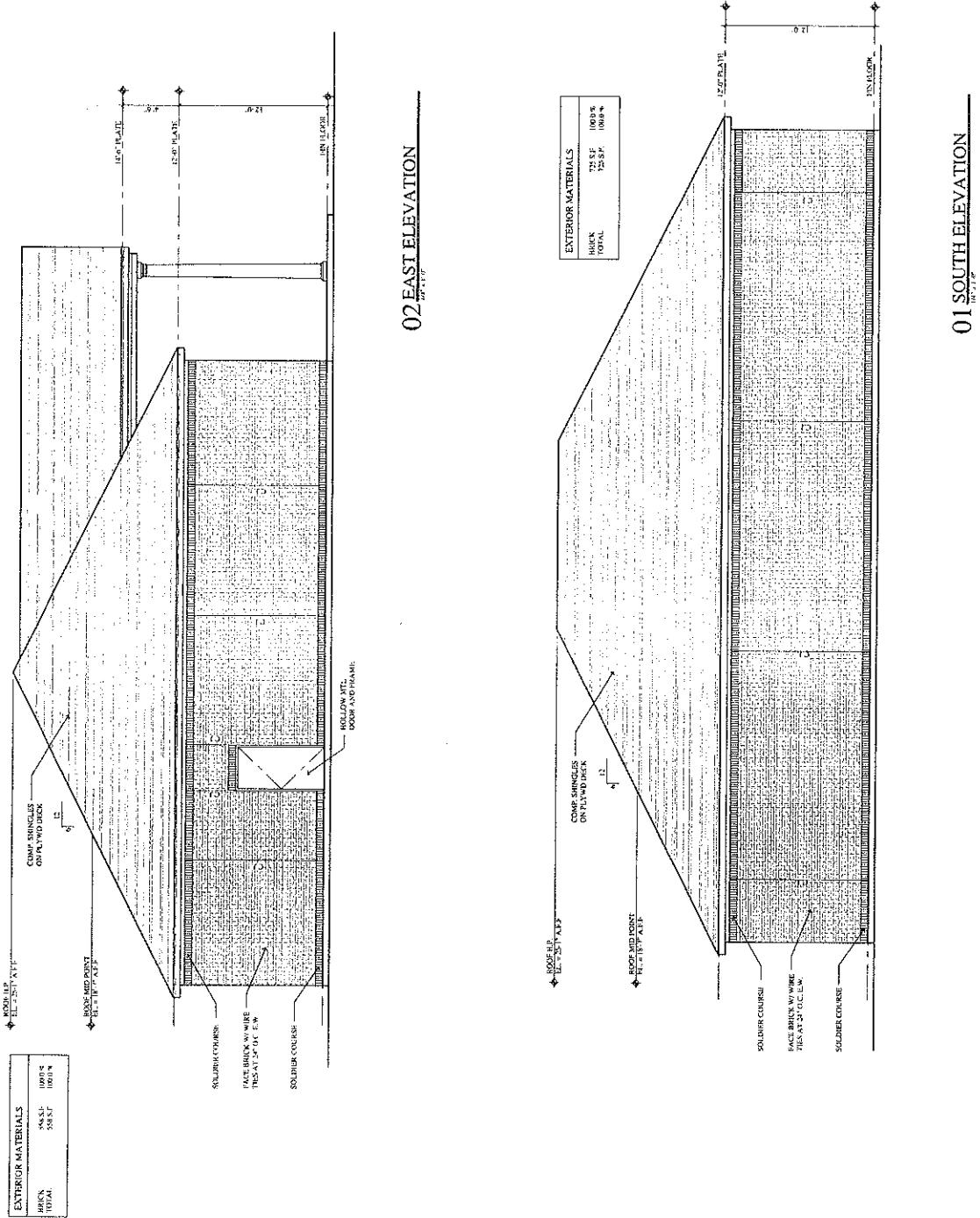
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02 WEST ELEVATION



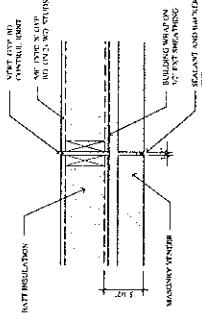
01 NORTH ELEVATION



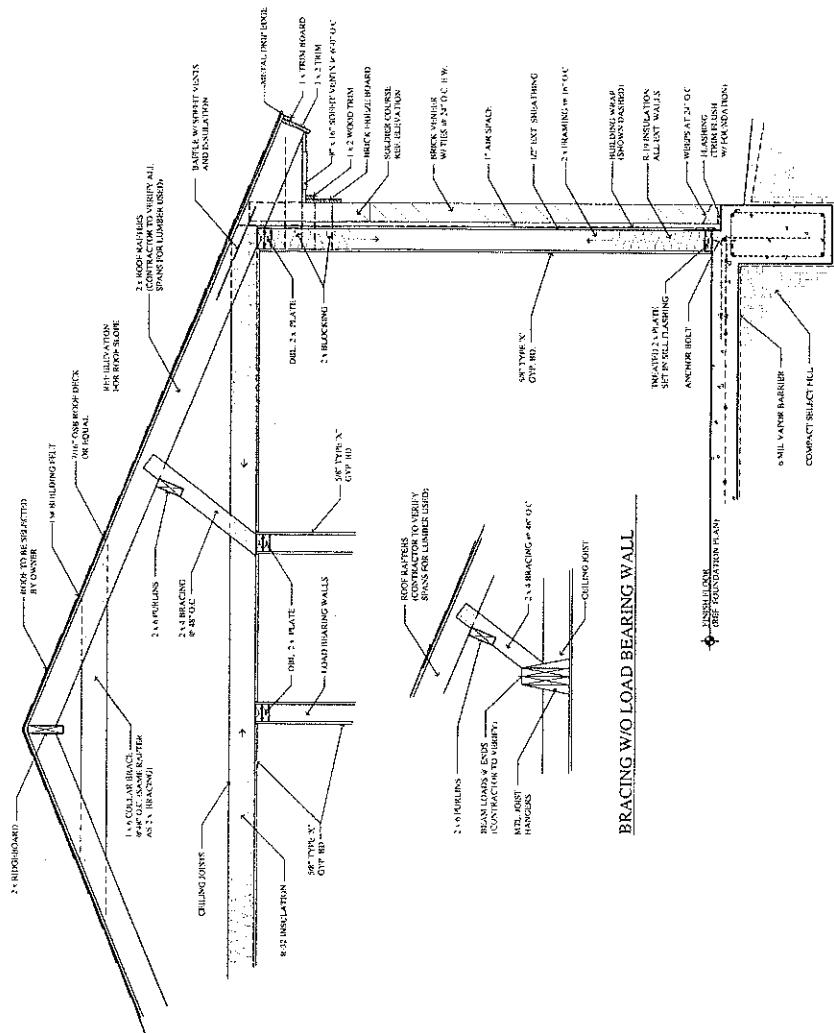
GENERAL WOOD FRAMING NOTES FOR SPACE PLAN:

1. Design loads are as follows:
 Live Loads: Floor 100 psf
 Roof 20 psf
 Wind Loads: Basic Wind Speed 90 mph
 AC Units 20 psf
 Pressure 20 psf
 Seismic Design: Any Pneumatic roof and floor framing shall be engineered by others.
 All other framing shall be by an Engineer licensed to practice engineering within the state of Texas. Shop drawings containing the Engineer's seal shall be submitted to the architect and engineer for approval prior to fabrication or construction.

3. The quality of lumber and design for load supporting members shall conform to the Standards of National Design Specifications for Stress Grade Lumber and its Framing.
4. All members shall be so framed, anchored, tied and braced as to comply with the Standards of National Design Specification for Wood Construction and of the Building Codes.
5. Lumber grades shall be as follows:
 - Northern Pine Lumber, S15, 19% M.C., #2 fb = 1200 psf
 - Studs S1P, S2e Grade Columns and Posts S1P, 19% M.C., #2 fb = 975 psf
 - Joists should always be supported with solid blocking at each end, at each support, except where the ends of the joists are nailed to a header, rim joist, or on supporting studs, and where shown on the framing plans. Solid blocking shall be not less than 2" (nominal) in thickness and shall meet the depth of the joist.
6. Provide a minimum of 3 studs on each side of door or window openings.
7. All door and window headers must be drawn and be double 2" x 12's with full height of wall.
8. All exterior and interior door headers must be drawn and be double 2" x 12's with full height of wall.
9. All connectors shall be Strong-Tie connectors by Simpson Co. or approved equal.
10. All wood in direct contact with concrete or masonry shall be treated lumber.
11. Plywood or veneered board shall meet the requirements of the latest edition of the U.S. Product Standard (S1) American Plywood Association.
12. All exterior sheathing (siding - weathering) to be 48 3/8" x 7/16" Waterboard type panels nailed @ 16" o.c. each way.



02 EXPANSION JOINT



01 TYPICAL WALL SECTION

HEADER SCHEDULE									
BUILDING WIDTH OF 20' OR LESS (MEASURED PERPENDICULAR TO THE MAIN RIDGE)									
EXTERIOR LOAD BEARING WALLS									
FRAMING									
Roof and ceiling	Roof ceiling and one center floor	Bearing	Ridge ceiling and two center bearing floors						
(2) 2 x 4	5' 0"	4' 6"	3' 11"	2' 8"					
(2) 2 x 6	5' 0"	4' 6"	5' 0"	3' 9"					
(2) 2 x 8	6' 0"	5' 9"	6' 0"	4' 9"					
(2) 2 x 10	8' 5"	7' 0"	6' 1"	5' 9"					
(2) 2 x 12	9' 9"	8' 5"	7' 1"	6' 5"					
INTERIOR LOAD BEARING WALLS									
ONE FLOOR ONLY									
(2) 2 x 4	5' 1"	5' 2"							
(2) 2 x 6	5' 6"	5' 2"							
(2) 2 x 8	5' 9"	4' 7"							
(2) 2 x 10	7' 0"	4' 11"							
(2) 2 x 12	8' 5"	5' 0"							

* DENOTES (3) JACK STUDS REQUIRED TO SUPPORT EACH END
 ** DENOTES (5) JACK STUDS REQUIRED TO SUPPORT EACH END
 FOR NON LOAD BEARING WALLS A SINGLE 2 x 4 HEADER MAY BE USED ON OPENINGS NOT EXCEEDING 3' 0" IN WIDTH IF THE VERTICAL NAILING DISTANCE TO THE PARALLEL NAILING SURFACE DOES NOT EXCEED 36"

MIN 2 x 4 HEADER ON FIRST FLOOR, SINGLE STORY OF EXTERIOR WALLS
 MIN 3 x 4 HEADER ON FIRST FLOOR, TWO STORY OF EXTERIOR WALLS
 MIN 3 x 4 HEADER ON SECOND FLOOR, TWO STORY OF EXTERIOR WALLS



