CITY OF ALBUQUERQUE

Mayor Timothy M. Keller

CITY OF ALBUQUERQUE
PLANNING
These plans have been reviewed for code compliance and are:
APPROVED
The Approval of these plans shall not be construed to be a permit for any violations of any code or ordinance of this city.
PERMIT #: BP-2019-26276
DATE: 09/13/19
A printed copy of these plans shall be on the job site for all requested inspections.

Planning Director Brennon Williams, Interim Director

Cheryl Miller, P.E.
Miller Engineering Consultants, Inc
3500 Comanche NE Bldg. F
Albuquerque, NM 87107

RE: St. Therese School
311 Shropshire Place NW
Grading and Drainage Plan
Engineer's Stamp Date: 06/17/19
Hydrology File: G14D092

Dear Mr. Miller:

Based upon the information provided in your resubmittal received 06/21/2019, the Grading and Drainage Plan is approved for Building Permit.

Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter. Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

If the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Curtis Cherne, PE, ccherne@cabq.gov, 924-3420) 14 days prior to any earth disturbance.

Please provide Drainage Covenant per Chapter 17 of the DPM prior to Permanent Release of Occupancy for the retention ponds. Please submit these to the 4th floor of Plaza de Sol. A $25 fee for each will be required.

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov .

Sincerely,

Renée C. Brissette

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

CITY OF ALBUQUERQUE

Base Bid

ENERGY PLAN REVIEW CHECKLIST

2009 New Mexico Energy Conservation Code

As Adopted By the Albuquerque Uniform Administrative Code

☐ Residential ■ Commercial

Building ID: ____ Building Conditioned Floor Area: 3790 sq.ft. Date: 9/12/19

Building Contact Person: Donna Illerbrun Phone: 5053444479 E-mail: d..illerbrun@stschool.org

Building Address: 311 Shropshire Pl NW, Albuquerque, NM 87107 Climate Zone: 4

Compliance Method (check all that apply): ☑ Prescriptive Path ☐ Trade-Off ☐ Performance Path

NOTE: (Trade-Off or Performance Path approach must attach documentation)

Compliance software Used: Trane Trace

Project Type: ■ New Building ☐ Existing Building Addition ☐ Existing Building Renovation

Construction drawings and documentation available. Documentation Sufficiently demonstrates energy code compliance per section 103.2 of the 2009 International Energy Conservation Code (IECC)

HVAC loads calculations that comply with section 405.6 or 506.6 of the IECC:

Provide the following:

- **Heating system size(s): Btu:** 121.2 K
- **Cooling system size(s): Btu:** 196.7 K

*Btu's for systems are adjusted for equipment inefficiency, capacity available, standard capacities, and adjusted for vendor equipment.

Design Professional / Owner Affidavit (If Applicable)
(Must be completed before submission for request for permit)

(Calculations must be provided if requested)

I Wayne Yevoli certify that the above structure is designed in accordance with the minimum Energy Conservation requirements of the New Mexico Energy Conservation Code for Building(s).
Note: The issuance of a permit shall not be construed to be approval of any violation of adopted code.

Company Name: Testudo Engineering, Inc Address: 4015 Carlisle Blvd NE, Ste E

City: Albuquerque Zip: 87107

Phone: 505-554-1282 E-mail: wayne@testudoeng.com

Signature (Original): Printed Name: Wayne Yevoli, PE

STATE OF New Mexico

COUNTY OF Bernalillo

Subscribed and Sworn to before me on this 12th **day of** September, **20** 19.

Notary Public

Andrea Michelle Gray

Official Seal
ANDREA MICHELLE GRAY
Notary Public
State of New Mexico
My Comm. Expires 9-28-22

My commission expires: 9-28-22

CITY OF ALBUQUERQUE

ENERGY PLAN REVIEW CHECKLIST

Alternate (a) on drawings

2009 New Mexico Energy Conservation Code

As Adopted by the Albuquerque Uniform Administrative Code

☐ Residential ■ Commercial

Building ID: _____ Building Conditioned Floor Area: 3790 sq.ft. Date: 9/12/19

Building Contact: Donna Dierman Phone: 5053444479 E-mail: d..illerbrun@stschool.org

Building Address: 711 Shropshire Pl NW, Albuquerque, NM 87107 Climate Zone: 4

Compliance Method (check all that apply): ☑ Prescriptive Path ☐ Trade-Off ☐ Performance Path

NOTE: (Trade-Off or Performance Path approach must attach documentation)

Compliance software Used: Trane Trace

Project Type: ■ New Building ☐ Existing Building Addition ☐ Existing Building Renovation

Construction drawings and documentation available. Documentation Sufficiently demonstrates energy code compliance per section 103.2 of the 2009 International Energy Conservation Code (IECC)

HVAC loads calculations that comply with section 405.6 or 506.6 of the IECC:

Provide the following:

- **Heating system size(s): Btu:** 1131.4 K
- **Cooling system size(s): Btu:** 212.6 K

*Btu's for systems are adjusted for equipment inefficiency, capacity available, standard capacities, and adjusted for vendor equipment.

Design Professional / Owner Affidavit (If Applicable)
(Must be completed before submission for request for permit) (Calculations must be provided if requested)

I Wayne Yevoli certify that the above structure is designed in accordance with the minimum Energy Conservation requirements of the New Mexico Energy Conservation Code for Building(s).
Note: The issuance of a permit shall not be construed to be approval of any violation of adopted code.

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City: Albuquerque Zip: 87107

Phone: 505-554-1282 E-mail: wayne@testudoeng.com

Signature (Original): Printed Name: Wayne Yevoli, PE

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CITY OF ALBUQUERQUE

ENERGY PLAN REVIEW CHECKLIST

2009 New Mexico Energy Conservation Code

As Adopted by the Albuquerque Uniform Administrative Code

☐ Residential ■ Commercial

Building ID: _____ Building Conditioned Floor Area: 3790 sq.ft. Date: 7/9/19

Building Contact Person: _____ Phone: _____ E-mail: _____

Building Address: 311 Shropshire Pl NW, Albuquerque, NM 87107 Climate Zone: 4

Compliance Method (check all that apply): ☑ Prescriptive Path ☐ Trade-Off ☐ Performance Path

NOTE: (Trade-Off or Performance Path approach must attach documentation)

Compliance software Used: Trane Trace

Project Type: ☐ New Building ☒ Existing Building Addition ☐ Existing Building Renovation

Construction drawings and documentation available. Documentation Sufficiently demonstrates energy code compliance per section 103.2 of the 2009 International Energy Conservation Code (IECC)

HVAC loads calculations that comply with section 405.6 or 506.6 of the IECC:

Provide the following:

- **Heating system size(s): Btu:** 131.4 K
- **Cooling system size(s): Btu:** 212.6 K

(Calculations must be provided if requested)

Design Professional / Owner Affidavit (If Applicable)
(Must be completed before submission for request for permit)

I David Graham certify that the above structure is designed in accordance with the minimum Energy Conservation requirements of the New Mexico Energy Conservation Code for Building(s).

Note: The issuance of a permit shall not be construed to be approval of any violation of adopted code.

Company Name: Testudo Engineering Address: 4015 Carlisle Blvd NE, Ste E

City: Albuquerque Zip: 87107

Phone: 505-554-1282 E-mail: david@testudoeng.com

Signature (Original): _____ Printed Name: David Graham, PE

STATE OF New Mexico

COUNTY OF Bernalillo

Subscribed and Sworn to before me on this 9th **day of** July, **20** 19.

Notary Public

Andrea Michelle Gray

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CITY OF ALBUQUERQUE

ENERGY PLAN REVIEW CHECKLIST

2009 New Mexico Energy Conservation Code

As Adopted by the Albuquerque Uniform Administrative Code

☐ Residential ■ Commercial

Building ID: _____ Building Conditioned Floor Area: 3790 sq.ft. Date: 7/9/19

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Building Address: 311 Shropshire Pl NW, Albuquerque, NM 87107 Climate Zone: 4

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Note: The issuance of a permit shall not be construed to be approval of any violation of adopted code.

Company Name: Testudo Engineering Address: 4015 Carlisle Blvd NE, Ste E

City: Albuquerque Zip: 87107

Phone: 505-554-1282 E-mail: david@testudoeng.com

Signature (Original): _____ Printed Name: David Graham, PE

STATE OF New Mexico

COUNTY OF Bernalillo

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V&A PROJECT NO: 16-013

NEW MULTI-PURPOSE BUILDING

St. Therese Catholic School

311 Shropshire Place NW, Albuquerque NM
June 7, 2019

PROJECT SCOPE OF WORK: BASE BID AND ALTERNATE

BASE BID
THE PROJECT CONSISTS OF A 4,172 GROSS SF NEW CAFETERIA BUILDING, WITH COVERED ENTRY & PATIO. THE FACILITY IS INTENDED FOR CAFETERIA AND MULTI-PURPOSE USE AND WILL BE LOCATED ADJACENT TO THE EXISTING ST. THERESE ELEMENTARY SCHOOL. MINIMAL SITE WORK WILL BE INVOLVED, AND ALL NEW UTILITIES WILL BE PROVIDED FOR THE NEW BUILDING. THE AREA OF NEW SITE WORK IS APPROX. 8,000 SF (INCLUDING NEW BUILDING).

SCHOLDE OF ALTERNATES:
ALTERNATE NO. 1: CONSISTS OF UPGRADES TO THE BUILDING FOR GYM/MULTI-PURPOSE USE. PERIMETER CAFETERIA WALLS ARE CHANGED FROM 6" METAL STUDS TO 8" CMU AND WALL/CEILING HEIGHT INCREASED TO ACCOMMODATE TWO BASKETBALL BACKSTOPS AND GOALS. THE SEALED CONCRETE FLOOR AT THE CAFETERIA IS TO RECEIVE PAINTED COURT STRIPING AS INDICATED ON DRAWINGS. ALSO INCLUDED ARE THE FOLLOWING FLOOR PLAN MODIFICATIONS; BOYS AND GIRLS LOCKER ROOM AREA EXPANSION LOCATED AT REAR OF THE STUDENT RESTROOMS AND SLIGHT INCREASES IN STORAGE AND HALLWAY TO ACCOMMODATE RECONFIGURATION OF SPACES. TOTAL NEW SQUARE FOOTAGE ADDED IS 196 SF.

CONSULTANTS

MECHANICAL & ELECTRICAL ENGINEERS
Testudo Engineering Inc.
505-554-1282

STRUCTURAL ENGINEERS
Quiroga Pfeiffer Engineering Corp.
505-858-1456

CIVIL ENGINEERS
Miller Engineering Consultants
505-888-7500

VICINITY MAP

SHEET INDEX - BASE BID

GENERAL

G-001 COVER SHEET
G-002 CODE DATA & GENERAL PROJECT INFO
G-003 PARTITION TYPES

FIRE 1 FIRE 1, APPROVED SITE PLAN
FIRE 2 FIRE 2 PLAN
AA-001 APPROVED ADMINISTRATIVE AMENDMENT
AA-002 APPROVED ADMINISTRATIVE AMENDMENT

SITE

V-101 PARTIAL TOPOGRAPHIC SURVEY
C-100 HYDROLOGY PLAN
C-101 GRADING & DRAINAGE PLAN
C-102 SITE UTILITY PLAN
C-501 MISCELLANEOUS DETAILS
C-502 MISCELLANEOUS DETAILS
AS-101 ARCHITECTURAL SITE PLAN & SITE DEMO PLAN
AS-501 SITE DETAILS

STRUCTURAL

S-001 GENERAL STRUCTURAL NOTES
S-002 SPECIAL INSPECTION & TYP DETAILS
S-101 FOUNDATION PLAN
S-111 ROOF FRAMING PLAN
S-301 FOUNDATION SECTIONS
S-311 FRAMING SECTIONS

ARCHITECTURAL
A-101 FLOOR PLAN - NOTES & DIMENSIONS
A-121 REFLECTED CEILING PLAN
A-131 ROOF PLAN & ROOF DETAILS
A-201 EXTERIOR ELEVATIONS
A-301 BUILDING SECTIONS
A-302 WALL SECTIONS
A-303 WALL SECTIONS
A-401 ENLARGED PLANS & INTERIOR ELEVATIONS
A-402 ENLARGED PLANS & INTERIOR ELEVATIONS
A-410 ENLARGED KITCHEN PLAN, KITCHEN EQUIP SCHED
A-501 ROOF & MISCELLANEOUS DETAILS
A-510 DOOR AND WINDOW DETAILS
A-601 DOOR SCHEDULE & WINDOW TYPES
A-602 FINISH SCHEDULE, COLOR & MATERIAL SCHEDULE

MECHANICAL

M-101 MECHANICAL PLAN
M-501 MECHANICAL DETAILS
M-601 MECHANICAL LEGEND, SCHEDULES & NOTES

PLUMBING

PS-101 PLUMBING SITE PLAN
P-101 PLUMBING PLAN
P-401 PLUMBING ENLARGED PLANS
P-501 PLUMBING DETAILS
P-601 PLUMBING LEGEND, SCHEDULES & NOTES

ELECTRICAL

E-001 ELECTRICAL SYMBOL LEGEND & NOTES
ES-101 ELECTRICAL SITE PLAN
E-101 LIGHTING PLAN & FIXTURE SCHEDULE
E-201 POWER & SPECIAL SYSTEMS PLAN
E-601 ELECTRICAL PANEL SCHEDULES

SHEET INDEX - ALTERNATE (AT END OF BASE BID SET)

NOTE: "a" AT END OF SHEET DESIGNATES ALTERNATE SHEET

GENERAL

FIRE 2a FIRE 2 PLAN

SITE

AS-101a ARCHITECTURAL SITE PLAN & SITE DEMO PLAN

STRUCTURAL

S-101a FOUNDATION PLAN
S-111a ROOF FRAMING PLAN
S-301a FOUNDATION SECTIONS
S-311a FRAMING SECTIONS

ARCHITECTURAL
A-101a FLOOR PLAN - NOTES & DIMENSIONS
A-121a REFLECTED CEILING PLAN
A-131a ROOF PLAN & ROOF DETAILS
A-201a EXTERIOR ELEVATIONS
A-301a BUILDING SECTIONS
A-302a WALL SECTIONS
A-303a WALL SECTIONS
A-401a ENLARGED PLANS & INTERIOR ELEVATIONS
A-402a ENLARGED PLANS & INTERIOR ELEVATIONS
A-511a DOOR & WINDOW DETAILS
A-602a FINISH SCHEDULE, COLOR & MATERIAL SCHEDULE

MECHANICAL

M-101a MECHANICAL PLAN
M-501a MECHANICAL DETAILS
M-601a MECHANICAL LEGEND, SCHEDULES & NOTES

PLUMBING

PS-101a PLUMBING SITE PLAN
P-101a PLUMBING PLAN
P-401a PLUMBING ENLARGED PLANS
P-501a PLUMBING DETAILS
P-601a PLUMBING LEGEND, SCHEDULES & NOTES

ELECTRICAL

E-001a ELECTRICAL SYMBOL LEGEND & NOTES
ES-101a ELECTRICAL SITE PLAN
E-101a LIGHTING PLAN & FIXTURE SCHEDULE
E-201a POWER & SPECIAL SYSTEMS PLAN
E-601a ELECTRICAL PANEL SCHEDULES

Fostering Faith, Learning and Service
St. Therese School
Since 1947

VIGIL & ASSOCIATES
ARCHITECTURAL GROUP, P.C.
WWW.VA-ARCHITECTS.COM

SET NO. ____

NEW MULTI-PURPOSE BUILDING

project no. 18-007

G-001

ABBREVIATIONS

AFF Above Finish Floor
ADDM Addendum
ALT Alternate
ADA Americans with Disabilities Act
ARCH Architect

BM Beam
BRG Bearing
BRG PL Bearing Plate
BOT Bottom
BLDG Building
BUR Built-up Roofing

CSWK Casework
CLG Ceiling
CLG HT Ceiling Height
CTR Center, Contour, Cooling Tower Return
CL Center Line, Class, Close
CT Ceramic Tile, Count, Current Transformer
COL Column
CONC Concrete, Concentric
CONSTR Construction
CD Construction Documents, Candela, Conrtact documents
CJ Construction Joint, Control Joint
COORD Coordinate

DEL Delete, Deliver
DEMO Demolition, Demonstration
DET/DTL Detail
DIM Dimension
DIST Distance, District
DF Drinking Fountain, Damage Free, Diesel Fuel

ESMT Easement
EWC Electric Water Cooler
EQ Equal
EQUIP Equipment
EST Estimate
EXIST Existing
EXP Expansion, Expand, Exposed
EJ Expansion Joint
EXT Exterior, External, ExtinguisherFIN FLR Finish Floor
FE Fire Extinguisher
FG Fiberglass insulation
FH Fire Hydrant, Fire Hose, Flat Head, Flat Head Screws
FD Floor Drain

FV FIELD VERIFY

GALV Galvanized, Galvanic
GC General Contractor
GYP Gypsum
GYP BD Gypsum Board

HDW Hardware
HVY Heavy
HT/HGT Height
HC Hollow Core, Handicap, Heating
HM Hollow Metal

IBC International Building Code
INCL Included
INFO Information
INSUL Insulation

LAM Laminate
LNDSCP Landscape
LRG/LG Large

MH Manhole
MFR Manufacturer, Mass Flow Rate
MFG REC Manufacturer's recommendation
MAX Maximum
MECH Mechanical
MED Medium, Medical
MTL Metal
MIN Minimum, Minute
MTD Mounted, Mean Temperature

NA Not Applicable
NIC Not in Contract, Noise Isolation Class
NTS Not to Scale

OC On Center
OPNG Opening
OPP Opposite
ORIG Original

OFD Overflow Drain
ORD Overflow Roof Drain, Ordnace

PRKG Parking
PAT Pattern
PERIM Perimeter
PLAM Plastic Laminate
PLYWD Plywood
PWR Power
PREFAB Prefabricate
PREFIN Prefinish
PRELIM Preliminary
PROJ Project
PROP Property

QUAL Quality
QTY Quantity

RECD Recieved
REF Reference, Refrigerator
REINF Reinforce
REQD Required
RESIL Resilient
RTU Roof Top Unit
RM Room

SCHED Schedule
SCW Solid core wood
SIM Similar
SM Small
SF Square Foot (feet)
STRUCT Sturctural
S/S Stainless Steel

TO Top of _______
TOB Top of Beam
TOC Top of Curb
TOJ Top of Joist
TOW Top of Wall
TD Trench Drain, Temperature Difference, Towel Dispenser

UNO Unless Noted Otherwise

VTR Vent Through Roof
VIF Verify in Field

WD Wood Door, Wood

GENERAL PROJECT NOTES

A. THE CONTRACTOR IS RESPONSIBLE FOR THE GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS.
B. ALL STANDARD INSPECTIONS AND TESTING SHALL BE PAID FOR BY THE GENERAL CONTRACTOR. ALL TESTING AND INSPECTIONS SHALL BE COORDINATED AND SCHEDULED BY THE GENERAL CONTRACTOR TO FIT WITHIN THE WORKFLOW OF THE PROJECT.
C. SPECIAL INSPECTIONS WILL BE PAID FOR BY THE ARCHITECT - SEE SHT S-001 FOR REQUIRED SPECIAL INSPECTIONS PER IBC CH 17. ALL TESTING AND INSPECTIONS SHALL BE COORDINATED AND SCHEDULED BY THE GENERAL CONTRACTOR TO FIT WITHIN THE WORKFLOW OF THE PROJECT.
D. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS REQUIRED BY LOCAL AUTHORITIES. SEE ALLOWANCES SECTION OF THE SPECIFICATIONS.
E. CONTRACTOR SHALL TAKE PRECAUTIONS AS NECESSARY TO PROTECT FROM DAMAGING EXISTING UTILITY LINES, WALKS, LANDSCAPING, ETC. WHICH REMAIN AS PART OF THE FINAL SYSTEMS. CONTRACTORS SHALL REPAIR AND/OR RESTORE THESE ITEMS TO PRE-CONSTRUCTION CONDITIONS.
F. SITE CLEANING SHALL BE IN ACCORDANCE WITH SPECIFICATIONS.
G. DO NOT SCALE DRAWINGS.
H. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND SITE CONDITIONS TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. HE SHALL VERIFY AND COORDINATE ALL FOUNDATION PLAN DIMENSIONS WITH FLOOR PLANS AND SHALL BE RESPONSIBLE FOR PROPER EXECUTION OF ALL WORK.
I. FINISH FLOOR ELEVATIONS ARE TO THE TOP OF CONCRETE OR PAVING UNLESS OTHERWISE NOTED. CEILING HEIGHT DIMENSIONS ARE TO FINISHED SURFACES.
J. ALL SYMBOLS AND ABBREVIATIONS USED ON DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING SAME, OR THEIR EXACT MEANING, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
K. CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL DURING THE CONSTRUCTION PHASE, INCLUDING ANY PROVISIONS THAT MAY NEED TO BE TAKEN TO DIVERT SEDIMENT FROM LEAVING THE SITE AND ENTERING ADJACENT STREETS OR PROPERTIES.
L. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO THE STORM DRAIN SYSTEM.

SYMBOLS

- A — WINDOW AS SCHEDULED
- 10 — KEYED NOTE
- XXX — EQUIPMENT TAG - SEE A-402
- XX — ACCESSORY TAG - SEE A-401
- 0 / A000 — EXTERIOR ELEVATION
- 00/A-000 — INTERIOR ELEVATION
- 0 / A000 — WALL SECTION
- 0 / A000 — BUILDING SECTION
- 0'-0" NOTE — HEIGHT

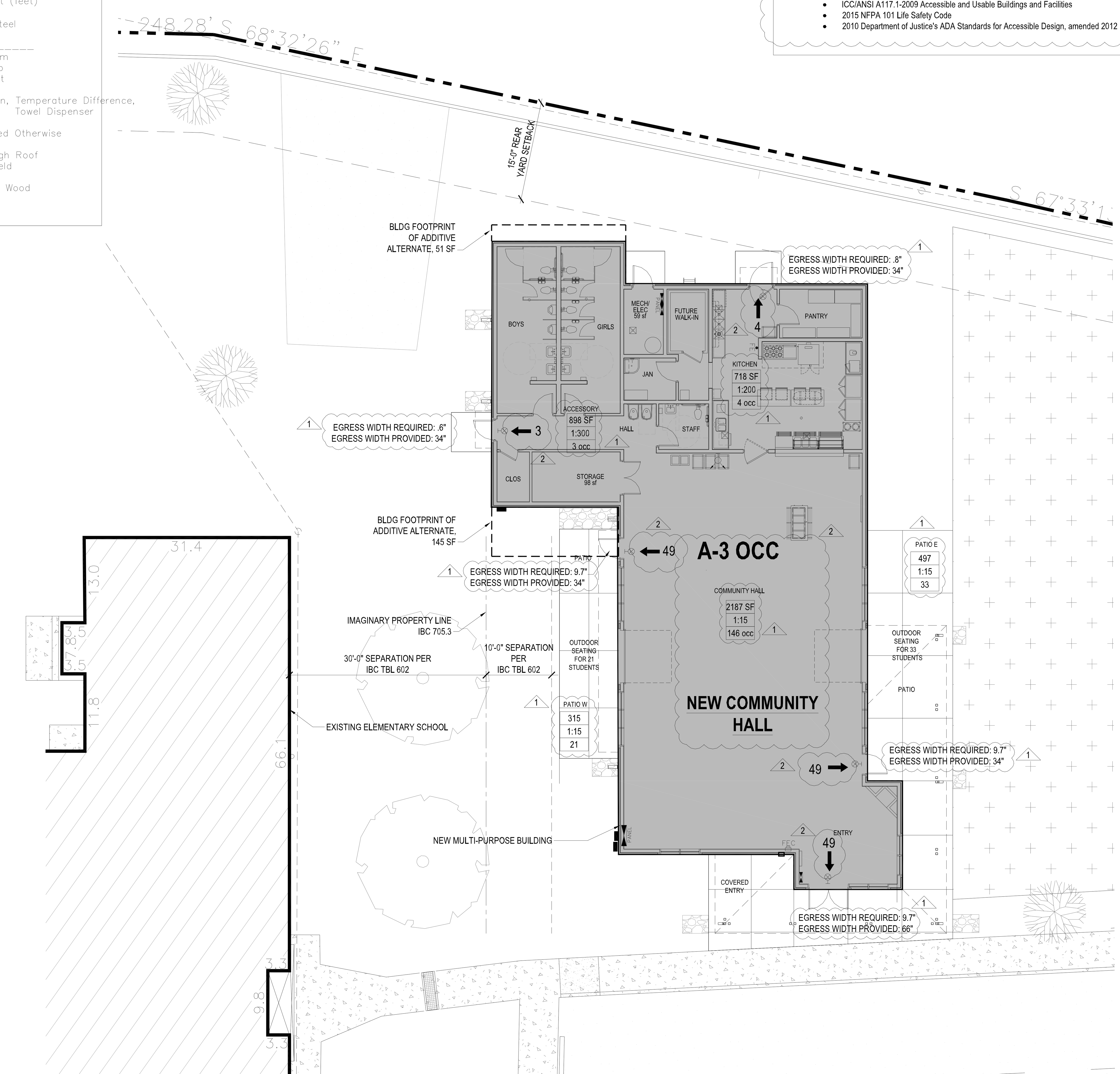
LEGEND

- FEC — SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER
- FE — BRACKET MOUNTED FIRE EXTINGUISHER
- SF / X / X — AREA (SF) / OCCUPANT LOAD FACTOR (IBC TBL 1004.1.2) / OCCUPANT LOAD
- EXIT LIGHT
- EMERGENCY LIGHT

NEW MULTI-PURPOSE BUILDING FOR ST THERESE CATHOLIC SCHOOL **OCCUPANT LOAD CALCULATIONS & PLUMBING FIXTURE COUNT**												
SPACE / NAME	FUNCTION OF SPACE (PER TABLE 1004.1.2)	OCCUPANT LOAD (per Table 1004.1.2)				WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS	SERVICE SINK
		RATIOS		AREA	TOTAL OCC PER SPACE	MALE	FEMALE	MALE	FEMALE		
CAFETERIA	ASSEMBLY UNCONCENTRATED	1 per	15	2187	145.80	0.97	0.97	0.36	0.36	0.15	1
PATIOS	ASSEMBLY UNCONCENTRATED	1 per	15	844	56.27	0.38	0.38	0.14	0.14	0.06	
	Sub-Total			3,031	202.07	1.35	1.35	0.51	0.51	0.20	1
KITCHEN	KITCHEN, COMMERCIAL	1 per	200	718	3.59	0.07	0.07	0.04	0.04	0.02	
	Sub-Total			718	3.59	0.07	0.07	0.04	0.04	0.02	
BOYS, GIRLS, MECH, STORAGE, CLOS, HALL	ACCESSORY	1per	300	898	2.99	0.01	0.01	0.01	0.01	0.00	
	Sub-Total			898	2.99	0.01	0.01	0.01	0.01	0.00	
TOTAL REQUIRED (rounded up)					**209**	**2**	**2**	**1**	**1**	**1**	**1**
TOTAL PROVIDED						4	4	2	2	2	1

NOTE: 1 ADDITIONAL WATERCLOSET AND 1 ADDITIONAL LAV ARE PROVIDED IN STAFF #114 FOR STAFF USE.

A1 PLUMBING FIXTURE COUNTS
SCALE:



A2 LIFE SAFETY PLAN
SCALE: 3/32" = 1'-0"

0 5'-4" 10'-8" 21'-4"
SCALE: 3/32" = 1'-0"
PLAN NORTH

CODE ANALYSIS

PROJECT ADDRESS: 311 Shropshire Pl NW
Albuquerque, NM 87107

ZONING: ZONED MX-M UNDER CURRENT IDO. PREVIOUSLY ZONED SU-1. AN ADMINISTRATIVELY AMENDED SITE DEVELOPMENT PLAN HAS BEEN APPROVED FOR THIS PROJECT.

IDO ZONING:
IDO ZONE DISTRICT: MX-M
IDO DISTRICT DEFINITION: MODERATE INTENSITY
IDO CATEGORY: MIXED-USE
OLD ZONING DESIGNATION: SU-1
OLD ZONING DESCRIPTION: CHURCH & REL FAC OR SU-2 NFMX
OLD ZONING CATEGORY: INSTITUTIONAL / GOVERNMENT

APPLICABLE CODES: SEE CITY OF ALBUQUERQUE FOR 2018 APPLICABLE CODES
- 2015 New Mexico Commercial Building Code (This rule adopts by reference, and amends, the 2015 International Building Code)
- 2015 New Mexico Existing Building Code (This rule adopts by reference, and amends, the 2015 International Existing Building Code)
- 2015 International Code Council Performance Code for Building and Facilities
- 2009 New Mexico Energy Conservation Code
- 2012 Solar Energy Code
- 2015 New Mexico Mechanical Code
- 2015 New Mexico Plumbing Code
- 2017 New Mexico Electrical Code
- 2012 New Mexico Electrical Safety Code
- 2012 City of Albuquerque Fire Code (This rule adopts by reference, and amends, the 2015 International Fire Code)
- ICC/ANSI A117.1-2009 Accessible and Usable Buildings and Facilities
- 2015 NFPA 101 Life Safety Code
- 2010 Department of Justice's ADA Standards for Accessible Design, amended 2012

CODE ANALYSIS CON'T

PROJECT DESCRIPTION: BASE BID
THE PROJECT CONSISTS OF A 4,??? GROSS SF* FACILITY TO BE USED FOR STUDENT RECREATION, EDUCATION, AND DINING USES WITH AFTER HOUR COMMUNITY EVENTS, WITH COVERED ENTRY & PATIO. IT WILL BE LOCATED ADJACENT TO THE EXISTING ST. THERESE ELEMENTARY SCHOOL.
*(gross area is calculated to the face of exterior sheathing & does not include covered porches, it is not the same as the "building area" number shown in analysis below)
MINIMAL SITE WORK WILL BE INVOLVED, AND ALL NEW UTILITIES WILL BE PROVIDED FOR THE NEW BUILDING.
THE AREA OF NEW SITE WORK APPROX. 8,000 SF (INCL NEW BUILDING).

SCHDULE OF ALTERNATES:
ALTERNATE NO. 1: CONSISTS OF UPGRADES TO THE BUILDING FOR STUDENT EDUCATION, DINING, AND RECREATIONAL USE. PERIMETER COMMUNITY HALL WALLS ARE CHANGED FROM 6" METAL STUDS TO 8" CMU AND WALL/CEILING HEIGHT INCREASED TO ACCOMMODATE TWO BASKETBALL BACKSTOPS AND GOALS. THE SEALED CONCRETE FLOOR AT THE COMMUNITY HALL IS TO RECEIVE PAINTED COURT STRIPING AS INDICATED ON DRAWINGS. ALSO INCLUDED ARE THE FOLLOWING FLOOR PLAN MODIFICATIONS; BOYS AND GIRLS LOCKER ROOM AREA EXPANSION LOCATED AT REAR OF THE STUDENT RESTROOMS AND SLIGHT INCREASES IN STORAGE AND HALLWAY TO ACCOMMODATE RECONFIGURATION OF SPACES. TOTAL NEW SQUARE FOOTAGE ADDED IS 196 SF.

SEISMIC ZONE: CLASS 'D'

OCCUPANT TYPES: NEW BUILDING: GROUP A-3
Per IBC Chapter 3, 305 — EXISTING FACILITY: E- EDUCATIONAL

BUILDINGS ON THE SAME LOT:
Section 503.1.2 & 705.3
PER IBC 503.1.2 TWO OR MORE BUILDINGS ON THE SAME LOT SHALL BE REGULATED AS SEPARATE BUILDINGS...WITHIN THE LIMITATIONS SPECIFIED IN SECTIONS 504 & 506.
PER IBC 705.3 BUILDINGS ON THE SAME LOT SHALL BE ASSUMED TO HAVE AN IMAGINARY LINE BETWEEN THEM.

FIRE SEPARATION DISTANCE:
IBC Table 602

FIRE SEPARATION DISTANCE = X (feet)	TYPE OF CONSTRUCTION	OCCUPANCY GROUP H	OCCUPANCY GROUP F-1, M, S-1	OCCUPANCY GROUP A, B, E, F-2, I, R, S-2, U
X < 5	All	3	2	1
5 ≤ X < 10	IA Others	3 2	2 1	1 1
10 ≤ X < 30	IA, IB IIB, VB Others	2 1 1	1 0 1	1 0 1
X ≥ 30	All	0	0	0

FIRE WALL FIRE RESISTANCE RATING:
Per IBC Table 706.4
FIRE WALLS USED TO CREATE SEPARATE BUILDINGS SHALL HAVE A MINIMUM FIRE-RESISTANCE RATING OF 2-HOURS

CONSTRUCTION TYPE:
Per IBC Table 601
NEW CONSTRUCTION: TYPE V-B
EXISTING BUILDING: III-B

FIRE-PROTECTION SYSTEM:
Per IBC 903 & 903.2.1.3
- NEW BUILDING IS NOT SPRINKLERED (<12,000 SQ FT, OCCUPANT LOAD <300).

FIRE EXTINGUISHERS ARE PROVIDED WITHIN 75' FROM ANY POINT IN THE BUILDING

BUILDING AREA:
Per IBC Ch. 5
BUILDING AREA* NEW BUILDING = 4,545 SQ FT
BUILDING AREA* NEW BUILDING WITH ALTERNATE = 4,741 SQ FT

* THE AREA INCLUDED WITHIN SURROUNDING EXTERIOR WALLS EXCLUSIVE OF VENT SHAFTS AND COURTS AND INCLUDING EXTERIOR AREAS WITHIN THE HORIZONTAL PROJECTION OF THE ROOF OR FLOOR ABOVE.

ALLOWABLE BUILDING AREA:
Per IBC TBL 506.2
TBL 506.2 A-3, Not Sprinklered

TBL 506.2 A-3 = 6,000 SF
506.3 FRONTAGE INCREASE
(Area Increase Equation 5-5)

$$I_f = \left[\frac{218}{251} - 0.25\right]\frac{30}{30} = (.62 \times 1) = 62\%$$

$I_f = 62\%$

Area per Table 506.2	Frontage Increase 62%	Total
6,000 sf	3,720 sf	9,720 sf

ALLOWABLE BUILDING AREA = 9,720 SQ FT
ACTUAL BUILDING AREA* = 4,545 SQ FT (includes 561 sq ft covered porch)
ADDITIVE ALTERNATE AREA = 196 SQ FT
TOTAL BUILDING AREA WITH ALTERNATE = 4,741 SQ FT

ALLOWABLE HEIGHT:
Per IBC TBL 504.4
1 STORIES ALLOWABLE
ACTUAL HEIGHT ONE STORY

OCCUPANT LOAD:
Per IBC Table 1004.1.2
KITCHEN: 4 OCCUPANTS
ACCESSORY: 3 OCCUPANTS (ALT 1: 4 OCCUPANTS)
CAFETERIA: 146 OCCUPANTS
PATIO E: 33 OCCUPANTS
PATIO W: 21 OCCUPANTS
TOTAL: 207 OCCUPANTS

EXIT WIDTH:
Per IBC 1005.3.2
.2" X 162 OCC. = 32.4" REQUIRED
PROVIDED = 136"

ALLOWABLE TRAVEL DISTANCE TO EXITS:
Per Table 1017.2
MAXIMUM ALLOWED = 200 FT
WORST-CASE = 35'

COMMON PATH OF EGRESS TRAVEL:
Per IBC TBL 1006.2.1
ALLOWABLE MAXIMUM: 75 FT.
WORST-CASE: 0 FT.

PLUMBING FIXTURE COUNT:
Per IBC Ch 2
207 OCCUPANTS (INCLUDES PATIO SEATING): 104 MALE 104 FEMALE

REQUIRED	MALE	FEMALE
WC'S	2	2
LAV'S	1	1
DRINKING FOUNTAINS	1	
SERVICE SINK	1	

PROVIDED	MALE	FEMALE
WC'S	4	4
LAV'S	2	2
DRINKING FOUNTAINS	2	
SERVICE SINK	1	

NOTE: 1 ADDITIONAL WATER CLOSET AND 1 ADDITIONAL LAV ARE PROVIDED AT STAFF TOILET ROOM.

PARKING:
PER TBL 5-5-1: OFF-STREET PARKING REQUIREMENTS.

ELEMENTARY OR MIDDLE SCHOOL = 2 SPACES / CLASSROOM REQUIRED.
- 14 EXISTING CLASSROOMS = 28 REQUIRED PARKING SPACES
- 76 EXISTING PARKING SPACES PROVIDED, INCLUDES 2 HC SPACES

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WWW.VA-ARCHITECTS.COM

STATE OF NEW MEXICO
RAYMOND R. VIGIL
No. 004027
REGISTERED ARCHITECT
08/07/19

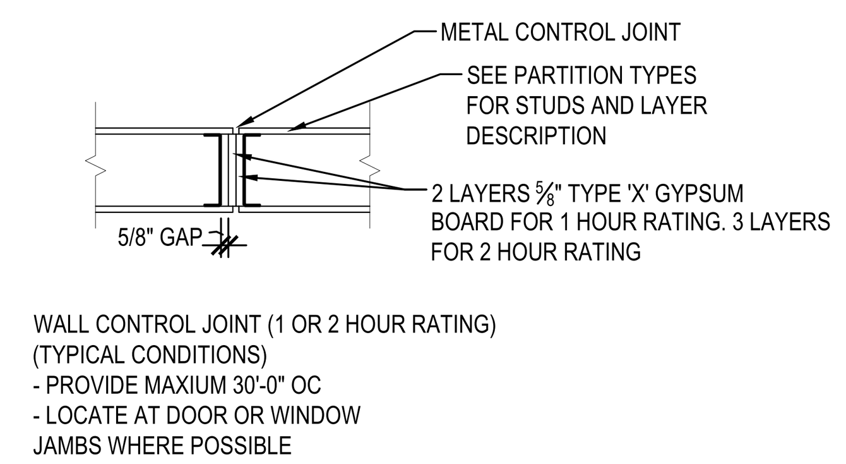
NEW MULTI-PURPOSE BUILDING
for ST THERESE CATHOLIC SCHOOL

CODE DATA & GENERAL PROJECT INFORMATION

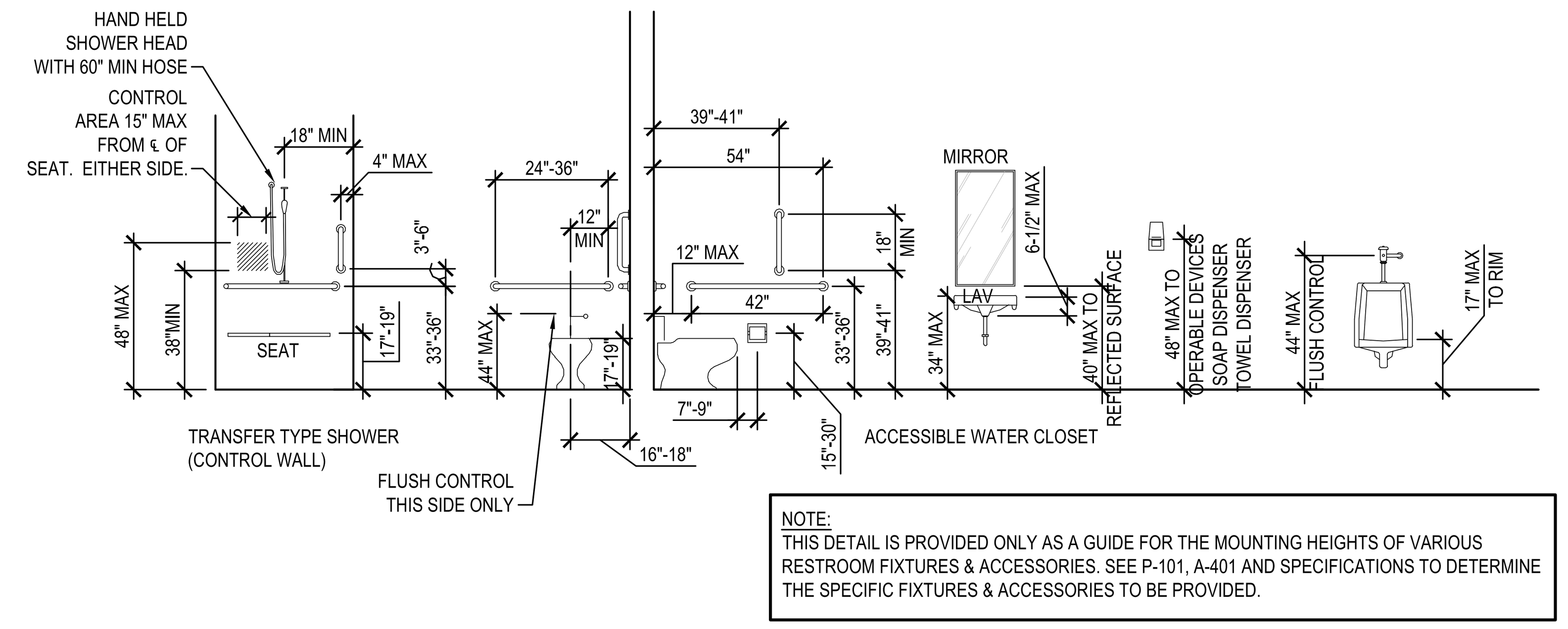
date: 5-30-19
drawn by: V&A
checked by: RRV
file name: G-002.dwg
revisions:
1 CITY PERMIT ADDEN 1
2 CITY PERMIT ADDEN 2

G-002

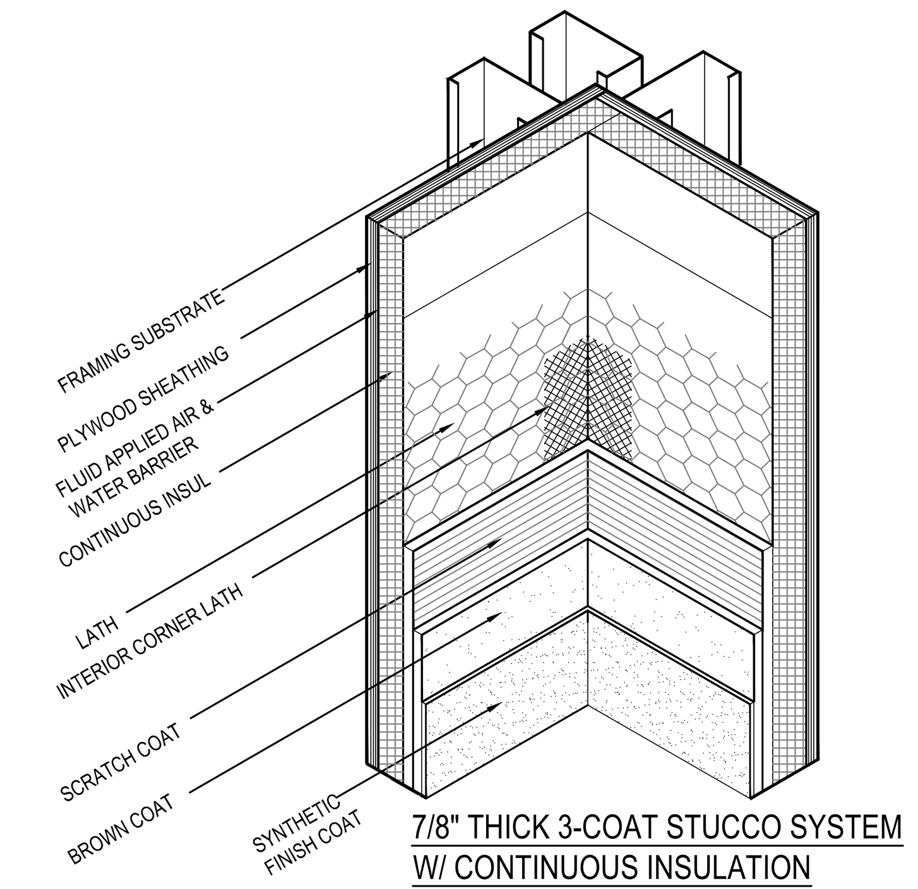
project no. 18-007



D1 TYP CONTROL JOINT
SCALE: 3/4" = 1'-0"



D2 RESTROOM / PLUMBING FIXTURE STANDARDS
SCALE: 1/4" = 1'-0"

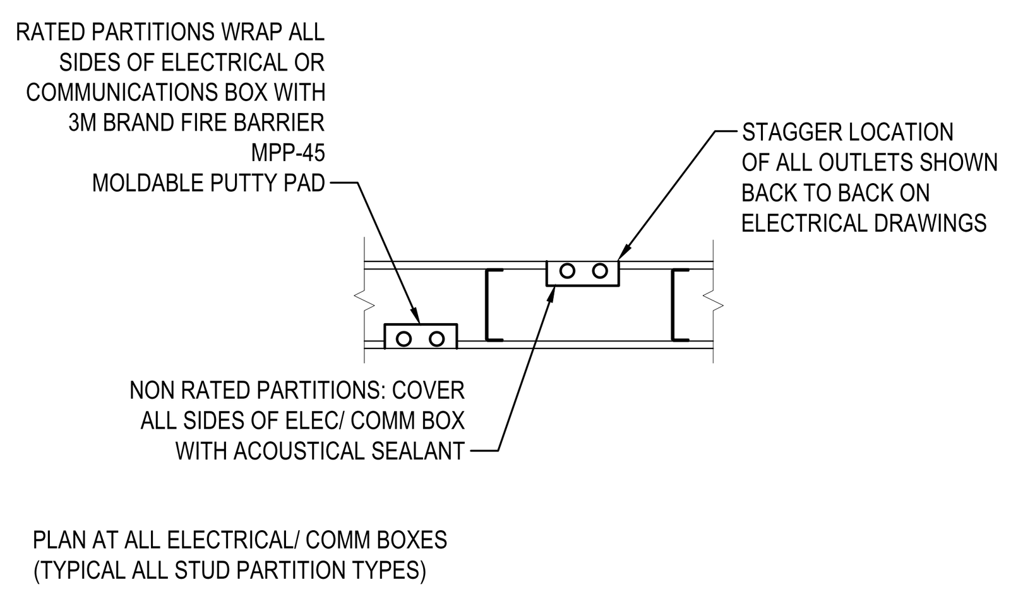


D4 TYP STUCCO ASSEMBLY
SCALE: NTS

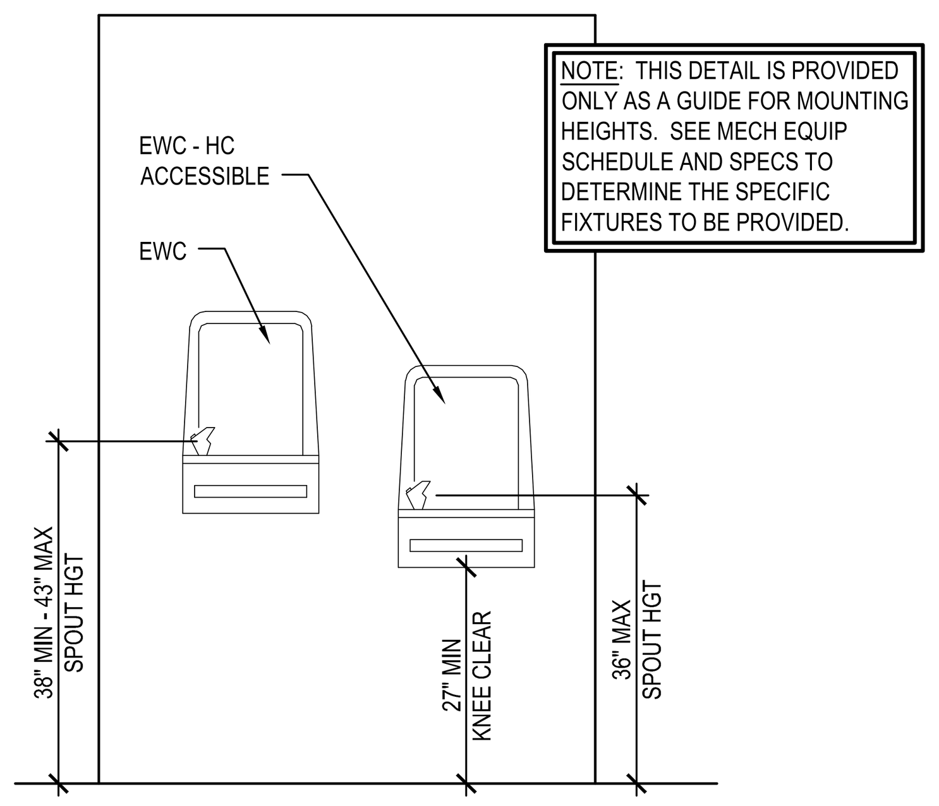
GENERAL SHEET NOTES

A. SEE FLOOR PLAN FOR PARTITION TYPES
B. NOTE THAT PARTITION TYPES DO NOT INDICATE FINISHES, SEE ROOM FINISH SCHEDULE A-602 FOR WALL FINISHES.
C. PROVIDE 5/8" FIBERGLASS BACKER AT ALL CERAMIC TILE LOCATIONS
D. SEE STRUCTURAL DRAWINGS FOR EXTENT OF STRUCTURAL GAUGE METAL STUDS
E. MAINTAIN CONTINUITY OF RATED FIRE RESISTIVE PARTITIONS AT INTERSECTION WITH NON-RATED OR LESSER RATED PARITIONS
F. GYPSUM BOARD JOINTS INSTALLED VERTICALLY OR HORIZONTALLY, VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ON OPPOSITE SIDES OF ASSEMBLY. SEE FIRE RESISTIVE RATED ASSEMBLIES FOR ADDITIONAL GYP BD FASTENING REQUIREMENTS
G. STUD SPACING: 16 INCHES ON CENTER, UNLESS NOTED OTHERWISE ON PLAN
J. INSTALL STUDS OF THE FOLLOWING GAUGES:
- PARTITIONS LESS THAN 15 FEET HIGH: 25 GAGE
- PARTITIONS 15 FEET OR MORE HIGH: 20 GAGE
- DOUBLE JAMBS AT DOOR AND OTHER OPENINGS: 20 GAGE
- PARTITION CORNERS: 20 GAGE
- END OF FREE-STANDING PARTITION: 20 GAGE
K. TYPICAL ALL STUD PARTITION TYPES PROVIDE CONTINUOUS REINFORCING SUPPORT FOR ALL WALL HUNG ITEMS INCLUDING HANDRAILS, GRAB BARS, MILLWORK
L. NOTE THAT MATERIALS IDENTIFIED ON PARTITION TYPES BY KEYED NOTES APPLY TO BOTH SIDES OF WALL.
M. USE 2" MIN LABELS ABOVE CEILING AT EVERY THREE FE THAT STATE "FIRE WALL - DO NOT PENETRATE", AT ALL FIRE RATE WALLS.

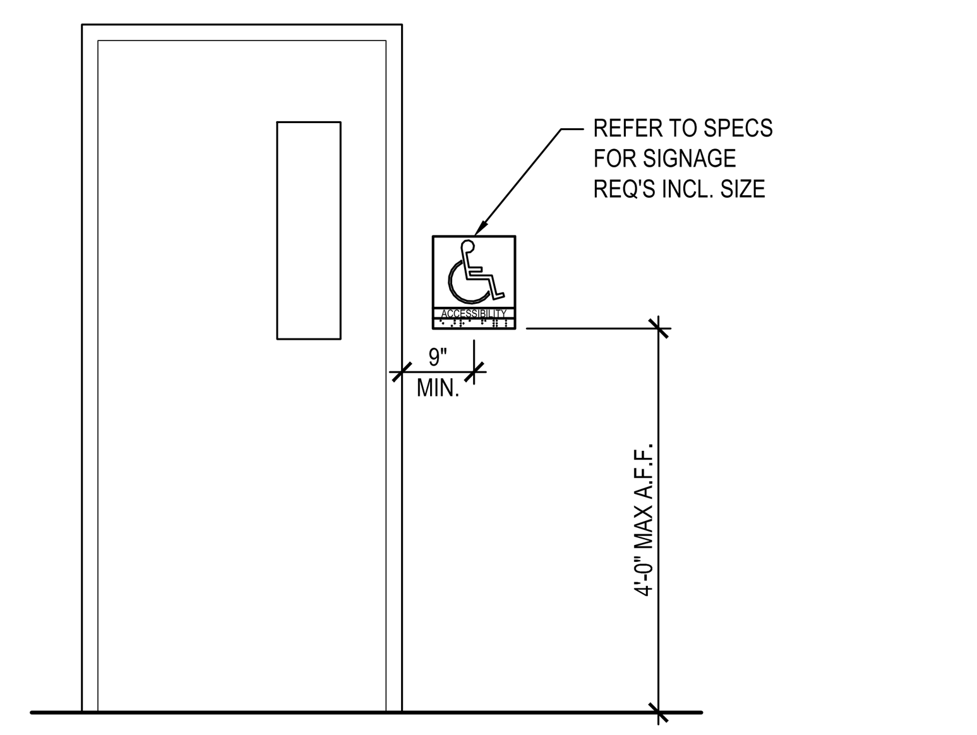
CITY OF ALBUQUERQUE PLANNING
These plans have been reviewed for code compliance and are:
APPROVED
The Approval of these plans shall not be construed to be a permit for any violations of any code or ordinance of this city.
PERMIT #: BP-2019-26276
DATED: 09/13/19
A printed copy of these plans shall be on the job site for all requested inspections.



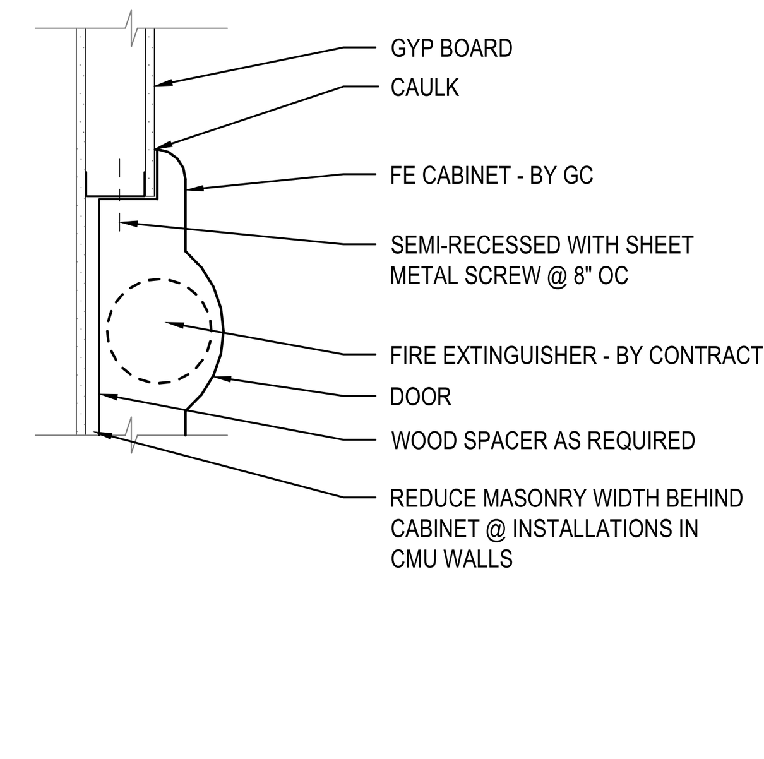
C1 ELECTRICAL BOX DETAIL
SCALE: 3/4" = 1'-0"



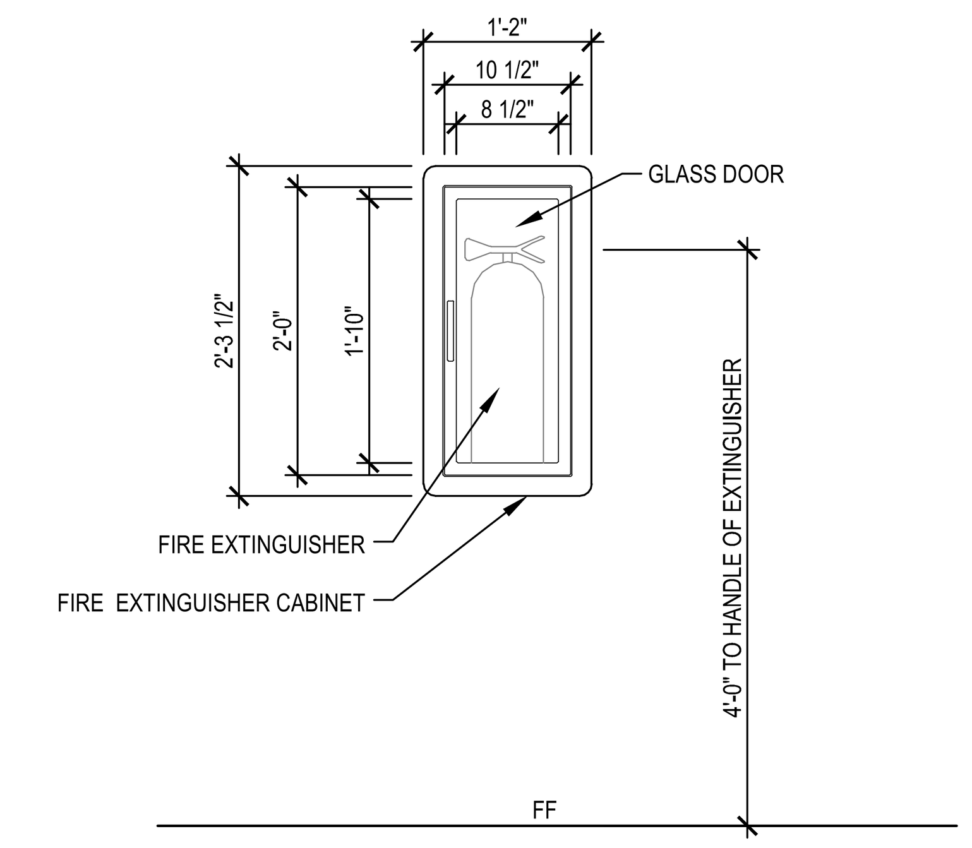
C2 DRINKING FOUNTAIN STANDARD
SCALE: 1/2" = 1'-0"



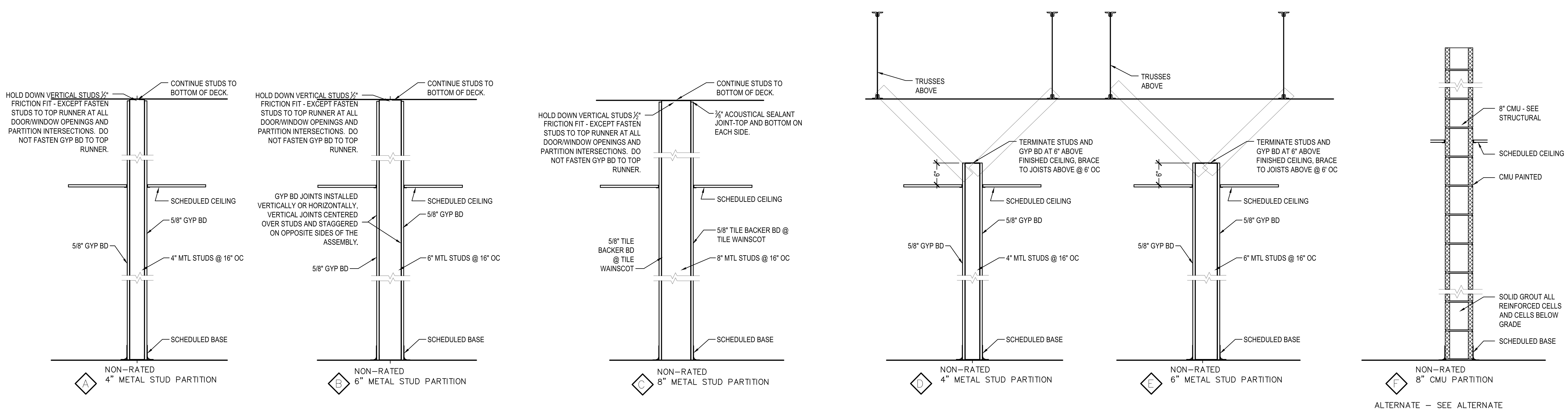
C3 ADA SIGNAGE - TYP MOUNTING DTL
SCALE: 1/2" = 1'-0"



C4 FIRE EXTINGUISHER CABINET
SCALE: 1" = 1'-0"



C5 FIRE EXTINGUISHER CABINET
SCALE: 3/4" = 1'-0"



A1 INTERIOR PARTITION TYPES SEE GENERAL SHEET NOTES FOR MORE INFORMATION
SCALE: 3/4" = 1'-0"

VIGIL & ASSOCIATES ARCHITECTURAL GROUP, P.C.
WWW.VA-ARCHITECTS.COM

STATE OF NEW MEXICO
RAYMOND R. VIGIL
No. 004027
REGISTERED ARCHITECT
06/07/19

NEW MULTI-PURPOSE BUILDING
for ST THERESE CATHOLIC SCHOOL

PARTITION TYPES

date: 5-30-19
drawn by: V&A
checked by: RRV
file name: G-003.dwg
revisions:

G-003

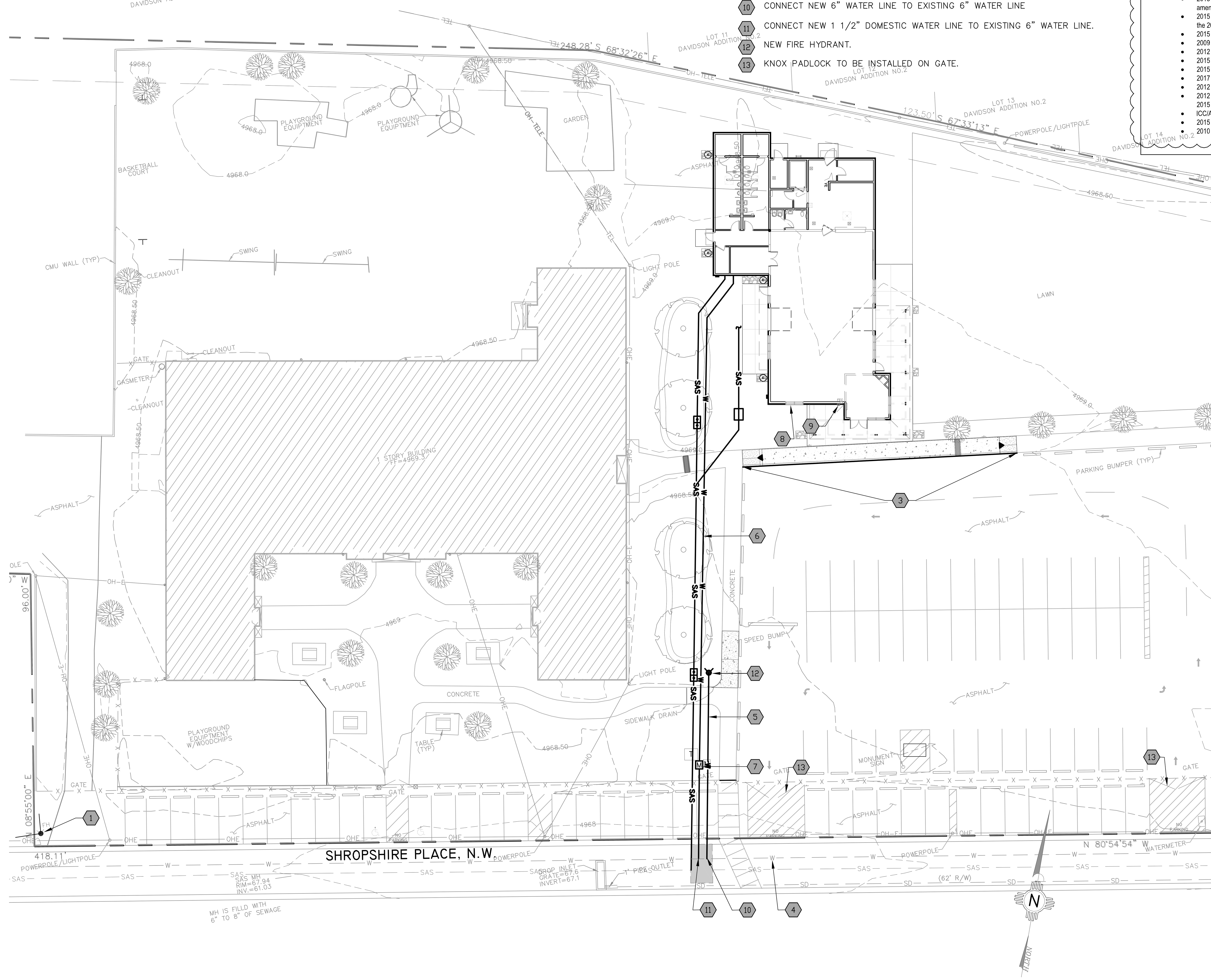
project no. 18-007

GENERAL NOTES:

1. THE FIRE APPARATUS ACCESS ROAD TO BE USED IS SHROPSHIRE PLACE, NW TO THE SOUTH AND THE ACCESS ROAD TO THE WEST. THESE ROADS ARE 24' SIDE CURB FACE TO CURB FACE.
2. THE SPRINKLER FIRE DEPARTMENT CONNECTION IS LOCATED WITHIN 100' RADIUS OF THE NEW FIRE HYDRANT.
3. THE PREMISE ID IS KEY NOTE NO. 9.
4. IT IS ASSUMED THAT THE FIRE APPARATUS ROADS WERE BUILT IN COMPLIANCE WITH CITY REGULATIONS WHEN THE ORIGINAL SUBDIVISION WAS BUILT.
5. THE ACCESS ROAD WHERE THE FIRE HYDRANT IS LOCATED HAS A WIDTH OF 32' WIDE.
6. NO GRADES ON OR OFFSITE OR ADJACENT TO THE SITE HAVE GRADES > 10%.
7. THE TURNING RADII ON THE FIRE APPARATUS ACCESS ROAD HAS RADIUS>30'
8. THE BUILDING IS A SINGLE STORY BUILDING AND < 30' IN HEIGHT.
9. APPROVED ACCESS ROUTE DRIVING SURFACE TO SUPPORT IMPOSED LOAD OF AT LEAST 75,000 LBS.

KEYED NOTES:

1. EXISTING FIRE HYDRANT TO REMAIN.
2. NOT USED.
3. FIRE LANE DESIGNATION—PAINT CURB RED WITH ALTERNATING "NO PARKING" AND "FIRE LANE" TEXT @ 50' INTERVALS, MAX.
4. EXISTING 6" WATER MAIN TO REMAIN.
5. NEW 6" WATER LINE TO FIRE HYDRANT.
6. NEW 1 1/2" DOMESTIC WATER LINE.
7. NEW CITY OF ALBUQUERQUE APPROVED WATER METER.
8. PREMISE ID WILL BE DISPLAYED NEAR THE FRONT OF THE BUILDING (SOUTH SIDE).
9. KNOX BOX PER COA ORDINANCE.
10. CONNECT NEW 6" WATER LINE TO EXISTING 6" WATER LINE
11. CONNECT NEW 1 1/2" DOMESTIC WATER LINE TO EXISTING 6" WATER LINE.
12. NEW FIRE HYDRANT.
13. KNOX PADLOCK TO BE INSTALLED ON GATE.



A1 FIRE 1a PLAN
SCALE: 1" = 20'-0"

20 10 0 20 30 40
SCALE: 1"=20
CONTOUR=1'

CODE ANALYSIS

PROJECT ADDRESS: 311 Shropshire Pl NW
Albuquerque, NM 87107

ZONING: ZONED MX-M UNDER CURRENT IDO. PREVIOUSLY ZONED SU-1. AN ADMINISTRATIVELY AMENDED SITE DEVELOPMENT PLAN HAS BEEN APPROVED FOR THIS PROJECT.

IDO ZONING:
IDO ZONE DISTRICT: MX-M
IDO DISTRICT DEFINITION: MODERATE INTENSITY
IDO CATEGORY: MIXED-USE
OLD ZONING DESIGNATION: SU-1
OLD ZONING DESCRIPTION: CHURCH & REL FAC OR SU-2 NFMX
OLD ZONING CATEGORY: INSTITUTIONAL / GOVERNMENT

APPLICABLE CODES: SEE CITY OF ALBUQUERQUE FOR 2018 APPLICABLE CODES

- 2015 New Mexico Commercial Building Code (This rule adopts by reference, and amends, the 2015 International Building Code)
- 2015 New Mexico Existing Building Code (This rule adopts by reference, and amends, the 2015 International Existing Building Code)
- 2015 International Code Council Performance Code for Building and Facilities
- 2009 New Mexico Energy Conservation Code
- 2012 Solar Energy Code
- 2015 New Mexico Mechanical Code
- 2015 New Mexico Plumbing Code
- 2017 New Mexico Electrical Code
- 2012 New Mexico Electrical Safety Code
- 2012 City of Albuquerque Fire Code (This rule adopts by reference, and amends, the 2015 International Fire Code)
- ICC/ANSI A117.1-2009 Accessible and Usable Buildings and Facilities
- 2015 NFPA 101 Life Safety Code
- 2010 Department of Justice's ADA Standards for Accessible Design, amended 2012

CODE ANALYSIS CON'T

PROJECT DESCRIPTION BASE BID
THE PROJECT CONSISTS OF A 4,172 GROSS SF* FACILITY TO BE USED FOR STUDENT RECREATION, EDUCATIONAL, AND DINING USES WITH AFTER HOUR COMMUNITY EVENTS WITH COVERED ENTRY & PATIO. IT WILL BE LOCATED ADJACENT TO THE EXISTING ST. THERESE ELEMENTARY SCHOOL.
*(gross area is calculated to the face of exterior sheathing & does not include covered porches, it is not the same as the "Building Area" number shown in analysis below)
MINIMAL SITE WORK WILL BE INVOLVED, AND ALL NEW UTILITIES WILL BE PROVIDED FOR THE NEW BUILDING.
THE AREA OF NEW SITE WORK APPROX. 8,000 SF (INCL NEW BUILDING).

SCHDULE OF ALTERNATES:
ALTERNATE NO. 1: CONSISTS OF UPGRADES TO THE BUILDING FOR STUDENT EDUCATION, DINING, AND RECREATIONAL USE. PERIMETER COMMUNITY HALL WALLS ARE CHANGED FROM 6" METAL STUDS TO 8" CMU AND WALL/CEILING HEIGHT INCREASED TO ACCOMMODATE TWO BASKETBALL BACKSTOPS AND GOALS. THE SEALED CONCRETE FLOOR AT THE COMMUNITY HALL IS TO RECEIVE PAINTED COURT STRIPING AS INDICATED ON DRAWINGS. ALSO INCLUDED ARE THE FOLLOWING FLOOR PLAN MODIFICATIONS; BOYS AND GIRLS LOCKER ROOM AREA EXPANSION LOCATED AT REAR OF THE STUDENT RESTROOMS AND SLIGHT INCREASES IN STORAGE AND HALLWAY TO ACCOMMODATE RECONFIGURATION OF SPACES. TOTAL NEW SQUARE FOOTAGE ADDED IS 196 SF.

SEISMIC ZONE: CLASS 'D'

OCCUPANT TYPES: NEW BUILDING: GROUP A-3
Per IBC Chapter 3, 305
~~EXISTING FACILITY: E- EDUCATIONAL~~

BUILDINGS ON THE SAME LOT:
Section 503.1.2 & 705.3

PER IBC 503.1.2 TWO OR MORE BUILDINGS ON THE SAME LOT SHALL BE REGULATED AS SEPARATE BUILDINGS...WITHIN THE LIMITATIONS SPECIFIED IN SECTIONS 504 & 506.

PER IBC 705.3 BUILDINGS ON THE SAME LOT SHALL BE ASSUMED TO HAVE AN IMAGINARY LINE BETWEEN THEM.

FIRE SEPARATION DISTANCE:
IBC Table 602

FIRE SEPARATION DISTANCE = X (feet)	TYPE OF CONSTRUCTION	OCCUPANCY GROUP H[e]	OCCUPANCY GROUP F-1, M, S-1[f]	OCCUPANCY GROUP A, B, E, F-2, I, R, S-2, U[h]
X < 5[b]	All	3	2	1
5 ≤ X < 10	IA Others	3 2	2 1	1 1
10 ≤ X < 30	IA, IB IIB, VB Others	2 1 1	1 0 1	1[c] 0 1[c]
X ≥ 30	All	0	0	0

FIRE WALL FIRE RESISTANCE RATING:
Per IBC Table 706.4
FIRE WALLS USED TO CREATE SEPARATE BUILDINGS SHALL HAVE A MINIMUM FIRE-RESISTANCE RATING OF 2-HOURS

CONSTRUCTION TYPE:
Per IBC Table 601
NEW CONSTRUCTION: TYPE V-B
EXISTING BUILDING: III-B

FIRE-PROTECTION SYSTEM:
Per IBC 903 & 903.2.1.3
- NEW BUILDING IS NOT SPRINKLERED (<12,000 SQ FT, OCCUPANT LOAD <300).

FIRE EXTINGUISHERS ARE PROVIDED WITHIN 75' FROM ANY POINT IN THE BUILDING

BUILDING AREA:
Per IBC Ch. 5
BUILDING AREA* NEW BUILDING = 4,545 SQ FT
BUILDING AREA* NEW BUILDING WITH ALTERNATE = 4,741 SQ FT

* THE AREA INCLUDED WITHIN SURROUNDING EXTERIOR WALLS EXCLUSIVE OF VENT SHAFTS AND COURTS AND INCLUDING EXTERIOR AREAS WITHIN THE HORIZONTAL PROJECTION OF THE ROOF OR FLOOR ABOVE.

ALLOWABLE BUILDING AREA:
Per IBC TBL 506.2
TBL 506.2 A-3, Not Sprinklered

TBL 506.2 A-3 = 6,000 SF
506.3 FRONTAGE INCREASE
(Area Increase Equation 5-5)

$$I_f = \left[\frac{218}{251} - 0.25\right]\frac{30}{30} = (.62 \times 1) = 62\%$$

$I_f = 62\%$

Area per Table 506.2	Frontage Increase 62%	Total
6,000 sf	3,720 sf	9,720 sf

ALLOWABLE BUILDING AREA = 9,720 SQ FT
ACTUAL BUILDING AREA* = 4,545 SQ FT (includes 561 sq ft covered porch)
ADDITIVE ALTERNATE AREA = 196 SQ FT
TOTAL BUILDING AREA WITH ALTERNATE = 4,741 SQ FT

ALLOWABLE HEIGHT:
Per IBC TBL 504.4
1 STORIES ALLOWABLE
ACTUAL HEIGHT ONE STORY

OCCUPANT LOAD:
Per IBC Table 1004.1.2

KITCHEN:	4 OCCUPANTS
ACCESSORY:	3 OCCUPANTS (ALT 1: 4 OCCUPANTS)
CAFETERIA:	146 OCCUPANTS
PATIO E:	33 OCCUPANTS
PATIO W:	21 OCCUPANTS
TOTAL:	207 OCCUPANTS

GENERAL PROJECT NOTES

A. THE CONTRACTOR IS RESPONSIBLE FOR THE GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS.
B. ALL STANDARD INSPECTIONS AND TESTING SHALL BE PAID FOR BY THE GENERAL CONTRACTOR. ALL TESTING AND INSPECTIONS SHALL BE COORDINATED AND SCHEDULED BY THE GENERAL CONTRACTOR TO FIT WITHIN THE WORKFLOW OF THE PROJECT.
C. SPECIAL INSPECTIONS WILL BE PAID FOR BY THE ARCHITECT - SEE SHT S-001 FOR REQUIRED SPECIAL INSPECTIONS PER IBC CH 17. ALL TESTING AND INSPECTIONS SHALL BE COORDINATED AND SCHEDULED BY THE GENERAL CONTRACTOR TO FIT WITHIN THE WORKFLOW OF THE PROJECT.
D. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS REQUIRED BY LOCAL AUTHORITIES. SEE ALLOWANCES SECTION OF THE SPECIFICATIONS.
E. CONTRACTOR SHALL TAKE PRECAUTIONS AS NECESSARY TO PROTECT FROM DAMAGING EXISTING UTILITY LINES, WALKS, LANDSCAPING, ETC. WHICH REMAIN AS PART OF THE FINAL SYSTEMS. CONTRACTORS SHALL REPAIR AND/OR RESTORE THESE ITEMS TO PRE-CONSTRUCTION CONDITIONS.
F. SITE CLEANING SHALL BE IN ACCORDANCE WITH SPECIFICATIONS.
G. DO NOT SCALE DRAWINGS.
H. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND SITE CONDITIONS TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. HE SHALL VERIFY AND COORDINATE ALL FOUNDATION PLAN DIMENSIONS WITH FLOOR PLANS AND SHALL BE RESPONSIBLE FOR PROPER EXECUTION OF ALL WORK.
I. FINISH FLOOR ELEVATIONS ARE TO THE TOP OF CONCRETE OR PAVING UNLESS OTHERWISE NOTED. CEILING HEIGHT DIMENSIONS ARE TO FINISHED SURFACES.
J. ALL SYMBOLS AND ABBREVIATIONS USED ON DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING SAME, OR THEIR EXACT MEANING, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
K. CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL DURING THE CONSTRUCTION PHASE, INCLUDING ANY PROVISIONS THAT MAY NEED TO BE TAKEN TO DIVERT SEDIMENT FROM LEAVING THE SITE AND ENTERING ADJACENT STREETS OR PROPERTIES.
L. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO THE STORM DRAIN SYSTEM.

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3500 COMANCHE, NE
BUILDING F
ALBUQUERQUE, NM 87107
(505)888-7500
(505)888-3800 (FAX)
WWW.MECNM.COM

VIGIL & ASSOCIATES
ARCHITECTURAL GROUP, P.C.
WWW.VA-ARCHITECTS.COM

FIRE 1a PLAN
NEW MULTI-PURPOSE BUILDING
for ST THERESE CATHOLIC SCHOOL

date: 1-9-19
drawn by: V&A
checked by: RRV
revisions:
1 CITY PERMIT ADDEN 1
2 CITY PERMIT ADDEN 2

project no. 18-007

FIRE-1a
ALTERNATE

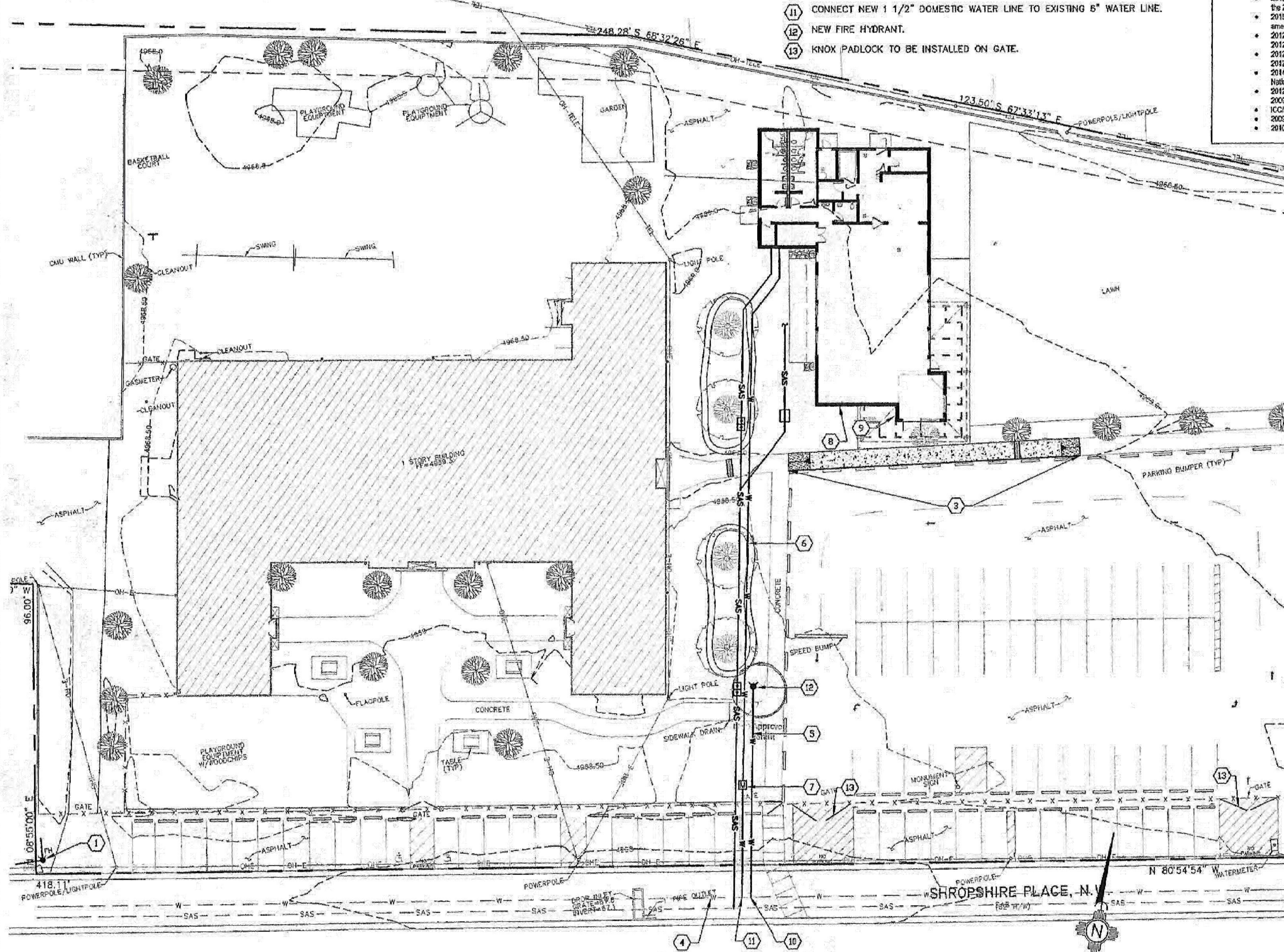
PSFA PROJECT NO: XXX-XXX

GENERAL NOTES:

1. THE FIRE APPARATUS ACCESS ROAD TO BE USED IS SHROPSHIRE PLACE, NW TO THE SOUTH AND THE ACCESS ROAD TO THE WEST. THESE ROADS ARE 24' SIDE CURB FACE TO CURB FACE.
2. THE SPRINKLER FIRE DEPARTMENT CONNECTION IS LOCATED WITHIN 100' RADIUS OF THE NEW FIRE HYDRANT.
3. THE PREMISE ID IS KEY NOTE NO. 9.
4. IT IS ASSUMED THAT THE FIRE APPARATUS ROADS WERE BUILT IN COMPLIANCE WITH CITY REGULATIONS WHEN THE ORIGINAL SUBDIVISION WAS BUILT.
5. THE ACCESS ROAD WHERE THE FIRE HYDRANT IS LOCATED HAS A WIDTH OF 32' WIDE.
6. NO GRADES ON OR OFFSITE OR ADJACENT TO THE SITE HAVE GRADES > 10%.
7. THE TURNING RADII ON THE FIRE APPARATUS ACCESS ROAD HAS RADIUS>30'
8. THE BUILDING IS A SINGLE STORY BUILDING AND < 30' IN HEIGHT.
9. APPROVED ACCESS ROUTE DRIVING SURFACE TO SUPPORT IMPOSED LOAD OF AT LEAST 75,000 LBS.

KEYED NOTES:

1. EXISTING FIRE HYDRANT TO REMAIN.
2. NOT USED.
3. FIRE LANE DESIGNATION–PAINT CURB RED WITH ALTERNATING "NO PARKING" AND "FIRE LANE" TEXT @ 50' INTERVALS, MAX.
4. EXISTING 6" WATER MAIN TO REMAIN.
5. NEW 6" WATER LINE TO FIRE HYDRANT.
6. NEW 1 1/2" DOMESTIC WATER LINE.
7. NEW CITY OF ALBUQUERQUE APPROVED WATER METER.
8. PREMISE ID WILL BE DISPLAYED NEAR THE FRONT OF THE BUILDING (SOUTH SIDE).
9. KNOX BOX PER COA ORDINANCE.
10. CONNECT NEW 6" WATER LINE TO EXISTING 6" WATER LINE
11. CONNECT NEW 1 1/2" DOMESTIC WATER LINE TO EXISTING 6" WATER LINE.
12. NEW FIRE HYDRANT.
13. KNOX PADLOCK TO BE INSTALLED ON GATE.



A1 FIRE 1 PLAN
SCALE: 1" = 20'-0"

20 10 0 20 30 40
SCALE: 1"=20
CONTOUR=1'

CODE ANALYSIS

PROJECT ADDRESS: 311 Shropshire Pl NW
Albuquerque, NM 87107

ZONING: ZONED MX-M UNDER CURRENT IDO. PREVIOUSLY ZONED SU-1. AN ADMINISTRATIVELY AMENDED SITE DEVELOPMENT PLAN HAS BEEN APPROVED FOR THIS PROJECT.

IDO ZONING:
IDO ZONE DISTRICT: MX-M
IDO DISTRICT DEFINITION: MODERATE INTENSITY
IDO CATEGORY: MIXED-USE
OLD ZONING DESIGNATION: SU-1
OLD ZONING DESCRIPTION: CHURCH & REL FAC OR SU-2 NFMX
OLD ZONING CATEGORY: INSTITUTIONAL / GOVERNMENT

APPLICABLE CODES:

- 2015 New Mexico Commercial Building Code (This rule adopts by reference, and amends, the 2015 International Building Code)
- 2015 New Mexico Existing Building Code (This rule adopts by reference, and amends, the 2015 International Existing Building Code)
- 2015 New Mexico Energy Conservation Code (This rule adopts by reference, and amends, the 2015 International Energy Conservation Code)
- 2012 New Mexico Mechanical Code (This rule adopts by reference, and amends, the 2012 Uniform Mechanical Code)
- 2012 New Mexico Plumbing Code (This rule adopts by reference, and amends, the 2012 Uniform Plumbing Code)
- 2014 New Mexico Electrical Code (This rule adopts by reference, and amends, the National Electrical Code)
- 2012 City of Albuquerque Fire Code (This rule adopts by reference, and amends, the 2009 International Fire Code)
- ICC/ANSI A117.1-2009 Accessible and Usable Buildings and Facilities
- 2009 NFPA 101 Life Safety Code
- 2010 Department of Justice's ADA Standards for Accessible Design, amended 2012

CODE ANALYSIS CON'T

PROJECT DESCRIPTION:
THE PROJECT CONSISTS OF 4,680 GROSS SF (FLOOR AREA) NEW CAFETERIA BUILDING WITH COVERED ENTRY & PATIO. THE FACILITY WILL BE FOR STUDENT USE AND FOR COMMUNITY EVENTS. IT WILL BE LOCATED ADJACENT TO THE EXISTING ST. THERESE ELEMENTARY SCHOOL. MINIMAL SITE WORK WILL BE INVOLVED, AND ALL NEW UTILITIES WILL BE PROVIDED FOR THE NEW BUILDING. THE AREA OF NEW SITE WORK APPROX. 8,000 SF (INCL NEW BUILDING).

SEISMIC ZONE: CLASS 'D'

OCCUPANT TYPES: (Per IBC Chapter 3, 305)
NEW BUILDING: GROUP E - EDUCATIONAL
EXISTING FACILITY: GROUP A-2

BUILDINGS ON THE SAME LOT: (Section 503.1.2 & 705.3)
PER IBC 503.1.2 TWO OR MORE BUILDINGS ON THE SAME LOT SHALL BE REGULATED AS SEPARATE BUILDINGS...WITHIN THE LIMITATIONS SPECIFIED IN SECTIONS 504 & 506.

PER IBC 705.3 BUILDINGS ON THE SAME LOT SHALL BE ASSUMED TO HAVE AN IMAGINARY LING BETWEEN THEM.

FIRE SEPARATION DISTANCE: (IBC Table 602)

FIRE WALL FIRE RESISTANCE RATING: (Per IBC Table 706.4)
FIRE WALLS USED TO CREATE SEPARATE BUILDINGS SHALL HAVE A MINIMUM FIRE-RESISTANCE RATING OF 2-HOURS

CONSTRUCTION TYPE: (Per IBC Table 601)
NEW CONSTRUCTION: TYPE V-B
EXISTING BUILDING: III-B

FIRE-PROTECTION SYSTEM: (Per IBC 903 & 903.2.3)
- NEW BUILDING IS NOT SPRINKLERED (<12,00 SQ FT).

FIRE EXTINGUISHERS ARE PROVIDED WITHIN 75' FROM ANY POINT IN THE BUILDING

NEW BUILDING AREA: (Per IBC Ch. 5)
GROSS BUILDING AREA* = 4,680 SQ FT
FLOOR AREA = 3,983 SQ FT

* THE GROSS AREA INCLUDES SURROUNDING EXTERIOR WALLS EXCLUSIVE OF VENT SHAFTS AND COURTS AND INCLUDING EXTERIOR AREAS WITHIN THE HORIZONTAL PROJECTION OF THE ROOF OR FLOOR ABOVE.

ALLOWABLE BUILDING AREA: (Per IBC TBL 506.2)
TBL 506.2 A-2, NOT SPRINKLERED

TBL 506.2 A-2 = 6,000 SF
506.3 FRONTAGE INCREASE
(Area Increase Equation 5-5)

$$If = \left[\frac{218}{251} - 0.25\right]\frac{30}{30} = (.62 \times 1) = 62\%$$

If = 62%

Area per Table 506.2	Frontage Increase .62%	Total
6,000 sf	9,720 sf	15,720 sf

ALLOWABLE BUILDING AREA = 15,720 SQ FT
ACTUAL GROSS BUILDING AREA* = 4,680 SQ FT (includes 697 sq ft covered porch)

ALLOWABLE HEIGHT: (Per IBC TBL 504.4)
1 STORIES ALLOWABLE
ACTUAL HEIGHT ONE STORY

OCCUPANT LOAD: (Per IBC Table 1004.1.2) 182 OCCUPANTS

GENERAL PROJECT NOTES

A. THE CONTRACTOR IS RESPONSIBLE FOR THE GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS.
B. ALL STANDARD INSPECTIONS AND TESTING SHALL BE PAID FOR BY THE GENERAL CONTRACTOR. ALL TESTING AND INSPECTIONS SHALL BE COORDINATED AND SCHEDULED BY THE GENERAL CONTRACTOR TO FIT WITHIN THE WORKFLOW OF THE PROJECT.
C. SPECIAL INSPECTIONS WILL BE PAID FOR BY THE ARCHITECT - SEE SHT S-001 FOR REQUIRED SPECIAL INSPECTIONS PER IBC CH 17. ALL TESTING AND INSPECTIONS SHALL BE COORDINATED AND SCHEDULED BY THE GENERAL CONTRACTOR TO FIT WITHIN THE WORKFLOW OF THE PROJECT.
D. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS REQUIRED BY LOCAL AUTHORITIES. SEE ALLOWANCES SECTION OF THE SPECIFICATIONS.
E. CONTRACTOR SHALL TAKE PRECAUTIONS AS NECESSARY TO PROTECT FROM DAMAGING EXISTING UTILITY LINES, WALKS, LANDSCAPING, ETC. WHICH REMAIN AS PART OF THE FINAL SYSTEMS. CONTRACTORS SHALL REPAIR AND/OR RESTORE THESE ITEMS TO PRE-CONSTRUCTION CONDITIONS.
F. SITE CLEANING SHALL BE IN ACCORDANCE WITH SPECIFICATIONS.
G. DO NOT SCALE DRAWINGS.
H. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND SITE CONDITIONS TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. HE SHALL VERIFY AND COORDINATE ALL FOUNDATION PLAN DIMENSIONS WITH FLOOR PLANS AND SHALL BE RESPONSIBLE FOR PROPER EXECUTION OF ALL WORK.
I. FINISH FLOOR ELEVATIONS ARE TO THE TOP OF CONCRETE OR PAVING UNLESS OTHERWISE NOTED. CEILING HEIGHT DIMENSIONS ARE TO FINISHED SURFACES.
J. ALL SYMBOLS AND ABBREVIATIONS USED ON DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING SAME, OR THEIR EXACT MEANING, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
K. CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL DURING THE CONSTRUCTION PHASE, INCLUDING ANY PROVISIONS THAT MAY NEED TO BE TAKEN TO DIVERT SEDIMENT FROM LEAVING THE SITE AND ENTERING ADJACENT STREETS OR PROPERTIES.
L. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO THE STORM DRAIN SYSTEM.

99-19
HYDRANT AND FIRE ACCESS
ALBUQUERQUE FIRE MARSHAL'S OFFICE
PLANS CHECKING DIVISION
SQFT 3983 CONSTRUCTION TYPE VB
GPM 1750 NUMBER OF HYDRANTS 1
~~APPROVED~~ / DISAPPROVED
252 1-27-19
SIGNATURE / MAN NUMBER / DATE

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FIRE 1 PLAN
NEW MULTI-PURPOSE BUILDING
for ST THERESE CATHOLIC SCHOOL

date: 1-9-19
drawn by: V&A
checked by: RRV
revisions:

FIRE-1

project no. 18-007