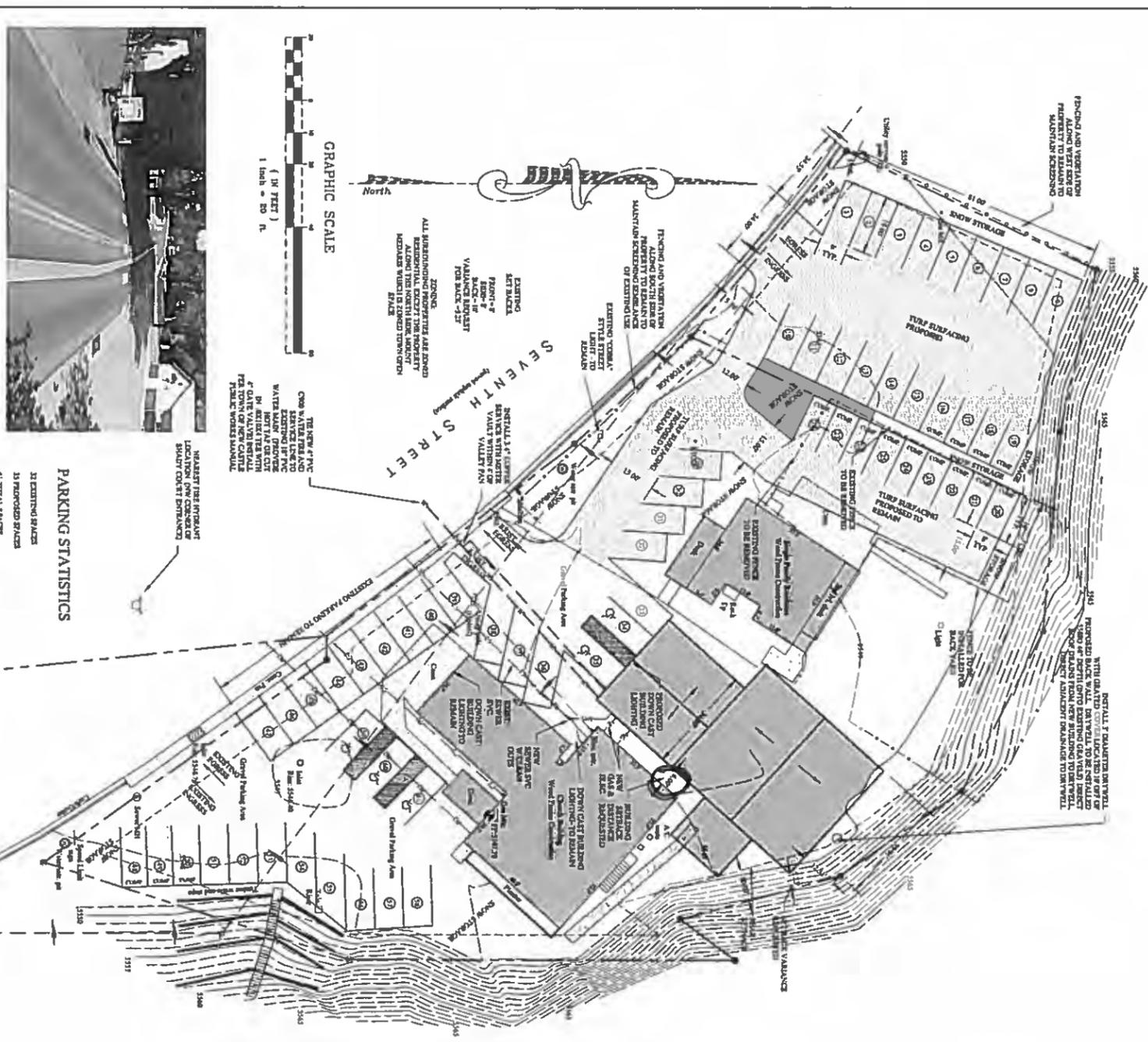
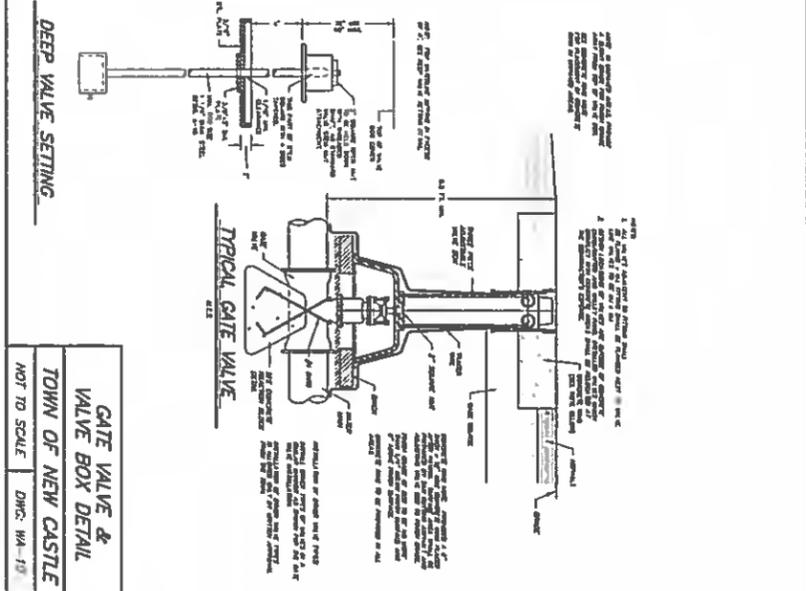


REVISED

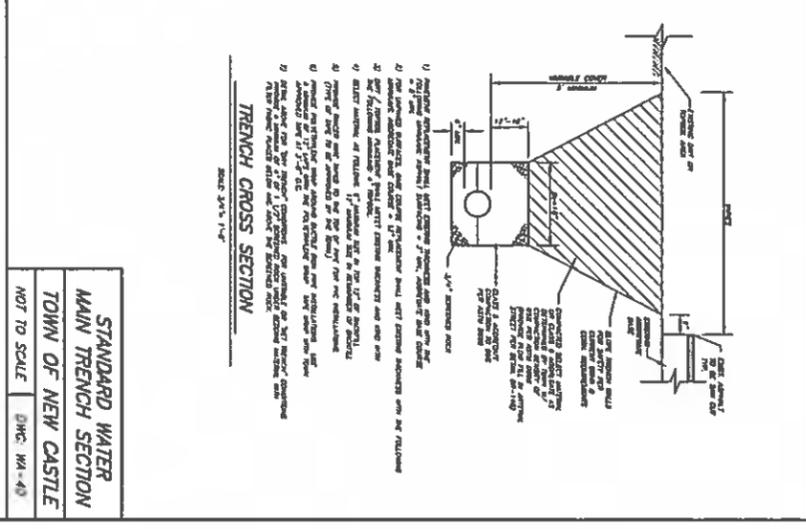


PARKING STATISTICS

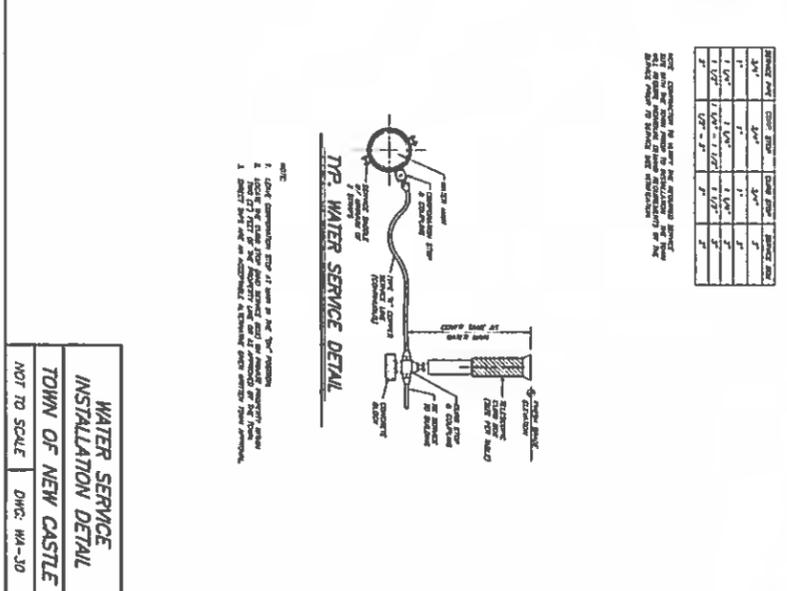
- 33 EXISTING SPACES
- 33 PROPOSED SPACES
- 61 TOTAL SPACES
- 4 MANEUVER SPACES (WITH 7' WALKS)
- 14 COMPACT CAR SPACES (WITH 7' WALKS)
- 41 RESIDENT SPACES (WITH 7' WALKS)
- SUPPORTED SEATS: 6123 - 120 SEATS



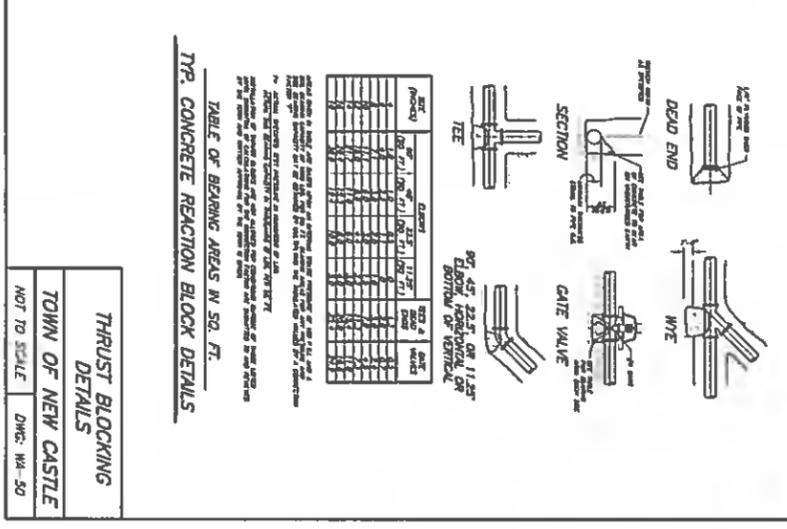
GATE VALVE & VALVE BOX DETAIL
TOWN OF NEW CASTLE
NOT TO SCALE DWG: WA-19



STANDARD WATER MAIN TRENCH SECTION
TOWN OF NEW CASTLE
NOT TO SCALE DWG: WA-49

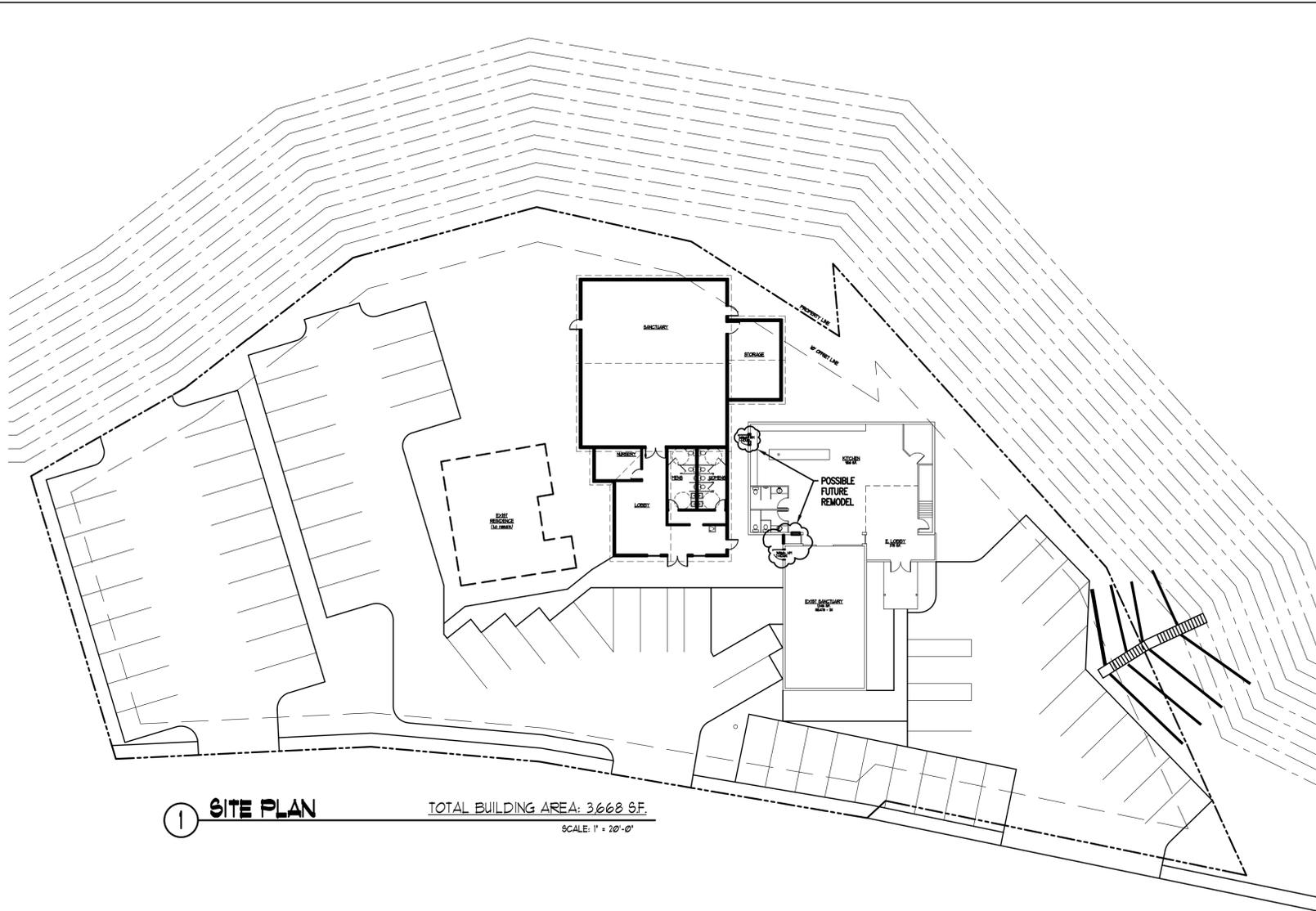


WATER SERVICE INSTALLATION DETAIL
TOWN OF NEW CASTLE
NOT TO SCALE DWG: WA-30



THRUST BLOCKING DETAILS
TOWN OF NEW CASTLE
NOT TO SCALE DWG: WA-50

DRAWING TITLE: SITE PLAN	PROJECT: NEW ADDITION FOR FIRST BAPTIST CHURCH 172 N 7th Street NEW CASTLE, CO	STAMP:	DATE	REVISIONS	NO.
PROJECT NO. 15-007	DATE: 04/20/15				



① **SITE PLAN** TOTAL BUILDING AREA: 3668 SF.
SCALE: 1" = 20'-0"

STRUCTURAL NOTES:

DESIGN CRITERIA:
Used 2009 INTERNATIONAL BUILDING CODE.
Design Loads:
A. Roof: LL = 20 PSF., or Snow Load = 36 PSF.
B. Roof Snow Load = 31.5 PSF.
C. Mezzanine D.L. = 125 PSF (if applicable)(lt. storage)
Wind load = 90 MPH, for 3 sec. gusts.
Degree Heating Days: 7,131
Climate Zone: 15
Exposure: C
Seismic zone to be designed for Longitude -107.51 W, Latitude 39.57 N

FOUNDATIONS:
Allowable foundation soil bearing pressure used = 2,500 PSF.
Backfill shall be compacted to 95 % of maximum dry density in accordance with ASTM D 1557.

CONCRETE:
Min compressive strength for cast-in-place reinforced concrete @ 28 days: $f'c = 3,000$ psi.
Max aggregate size shall be 1-1/2" for footings and pedestals and 3/4" for slab.
No welding or mechanical splices shall be allowed unless specifically indicated.
Heating of reinforcing bars is not allowed.
Mix design shall be established in accordance to Chapter 5 of ACI 318.
Minimum cement content = 500 #/YD.
Entrained air = 5% ($\pm 1/2\%$) for all concrete exposed to freezing (fin. walls, ext. slabs, etc.)
Maximum slump = 4".
Special inspection is not required per IBC 1704.1 exception 2 (i.e. Design strength = 2500 psi). Provide 3500 PSI concrete for durability.
Concrete reinforcement ASTM A615, grade 60, FY = 60,000 psi.
Minimum rebar lap = 40 bar diameters.
Concrete exposed to earth or weather: 1 1/2"
Concrete cast against earth: 3"
Beams and columns: 1 1/2"

ANCHOR BOLTS:
For anchor bolts to be:
5/8" bolts, 8" long with 3" hook with washer and nut as shown on plans.
Anchor bolts shall conform to ASTM A307 or A36.
All anchor bolts shall be supplied with washer and nut.

STRUCTURAL AND MISCELLANEOUS STEEL:
All steel work shall conform with AISC specifications.
Plates and shapes ASTM A36.
Tubes ASTM A500, Grade B.
Use E70 electrodes for all structural steel welds.
Bolts ASTM A307 for connections to concrete.
Bolts ASTM A325 for steel to steel connections.
Bolts to be snug tight.

WOOD PANEL NAILING:
All panel edges must be blocked.
All exterior wall sheathing to be 7/16" OSB connected with 8d nails.
Perimeter nailing along the top and bottom of windows to be 2-1/2" o.c.
Perimeter nailing elsewhere to be 4" o.c.
Field nailing to be 12" o.c.
Interior shear walls to receive 7/16" OSB sheathing each side of stud framing w/ perimeter nailing @ 6" o.c. and field nailing @ 12" o.c.

ASPHALT:
ASPHALT DRIVE: COMPACTED BASE + COMPACTED 2" MINUS GRAVEL + COMPACTED 2" OF 3/4" MINUS + 2" ASPHALT OR 8" COMPACTED 3/4" MINUS + 2" ASPHALT.

WOOD:
ALL EXTERIOR OPENING HEADERS TO BE (3) 2x10's UNLESS OTHERWISE NOTED
ALL INTERIOR OPENING HEADERS TO BE (2) 2x10's UNLESS OTHERWISE NOTED

SUSPENDED ACOUSTICAL CEILING:
SUSPENDED ACOUSTICAL CEILING TILE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C635 AND 636.

VICINITY MAP:



PROJECT INFORMATION:

SITE AREA: (OVERALL) SEE SITE PLAN
ZONE: R
BUILDING OCCUPANCY: A / E
NUMBER OF STORIES: 1-STORY
FIRE SPRINKLERS: YES

CONSTRUCTION TYPE: V-B (9,000 S.F. ALLOWED)
BUILDING AREA: MAIN FLOOR: 3,663 Total s.f.
OCCUPANT LOAD: SEE FLOOR PLANS

LEGAL DESCRIPTION:
SEE SITE PLAN

PROJECT GENERAL NOTES:

- VISITS TO THE JOB SITE BY REPRESENTATIVES OF THE ARCHITECT/ENGINEER DO NOT CONSTITUTE APPROVAL OF THE WORK PERFORMED BY THE CONTRACTOR OR HIS SUBCONTRACTORS AND ARE MERELY FOR THE PURPOSE OF OBSERVING THE WORK PERFORMED.
- CONTRACTOR TO FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS AND PLANS PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES, OMISSIONS, OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN ALL CASES, UNLESS OTHERWISE DIRECTED, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN AND BE FOLLOWED.
- CONTRACTOR AND ALL SUBCONTRACTORS SHALL FOLLOW ALL STANDARD BUILDING CODES, PRACTICES, AND REQUIREMENTS AS LISTED IN THE 2003 IBC (INTERNATIONAL BUILDING CODE). WORKMANSHIP THROUGHOUT SHALL BE OF THE BEST QUALITY OF THE TRADE INVOLVED AND THE GENERAL CONTRACTOR SHALL COORDINATE THE WORK OF THE VARIOUS TRADES TO EXPEDITE THE JOB IN A SMOOTH AND CONTINUOUS PROCESS.
- COMPLIANCE WITH ALL GOVERNING CODES AND ORDINANCES COVERING THE WORK IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. NOTE THAT ALL WRITTEN DIMENSIONS TAKE PRECEDENCE OF SCALE. DO NOT SCALE DRAWINGS.
- MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION OF MATERIALS SHALL BE FOLLOWED.
- CONTRACTOR IS RESPONSIBLE FOR SAFETY AND PROTECTION WITHIN AND ADJACENT TO THE JOB SITE.
- CONTRACTOR SHALL COORDINATE PRE-WIRE FOR TV, STEREO, TELEPHONE, DATA AND SECURITY SYSTEMS WITH OWNER. CONTRACTOR SHALL PROVIDE POWER AND PLUMBING TO ALL FIXTURES SHOWN AND IN ACCORDANCE WITH ALL GOVERNING CODES.
- SHOP DRAWINGS, IF REQUIRED, SHALL BE STAMPED BY A PROFESSIONAL ARCHITECT OR ENGINEER REGISTERED IN THE STATE WHERE THIS STRUCTURE RESIDES.
- SIZES, LOCATIONS, LOADS, AND ANCHORAGES OF EQUIPMENT SHALL BE VERIFIED IN THE FIELD WITH THE EQUIPMENT MANUFACTURER'S (SUPPLIER'S) PRIOR TO FABRICATION OR INSTALLATION OF SUPPORTING STRUCTURES.
- TEMPORARY BRACING SHALL BE PROVIDED WHERE EVER NECESSARY TO TAKE CARE OF ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING WIND. SUCH BRACING SHALL BE LEFT IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY, OR UNTIL ALL THE STRUCTURAL ELEMENTS ARE COMPLETE.
- DURING AND AFTER CONSTRUCTION, THE CONTRACTOR AND/OR OWNER SHALL KEEP LOADS ON THE STRUCTURE WITHIN THE LIMITS OF THE DESIGN LOAD.
- ANY SPECIAL INSPECTION REQUIRED BY THE BUILDING OFFICIAL OR IBC ARE THE RESPONSIBILITY OF THE OWNER OR CONTRACTOR.
- ALL INTERIOR AND EXTERIOR WALLS ARE TO BE FULLY INSULATED.
- ALL MILLWORK IS TO BE BY OWNER. GENERAL CONTRACTOR IS REQUIRED TO COORDINATE SPACE REQUIREMENTS AND INSTALLATION WITH CABINET MAKER.

PROJECT CODE NOTES:

1. PROVIDE LANDINGS AT ALL DOORS, BOTH SIDES. LANDINGS SHALL NOT BE MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY WHEN PROVIDING ACCESS TO THE DISABLED, OR 3/4" LOWER FOR OTHER APPLICATIONS. EXTERIOR LANDINGS MAY SLOPE 1/2" PER FOOT MAX. AS PER ICC/ANSI A117.1 STANDARDS.
2. ADDRESS NUMBERS MUST BE POSTED ON THE BUILDING, CLEARLY VISIBLE FROM THE STREET AND AT LEAST 4 INCHES HIGH AND WITH A CONTRASTING COLOR.
3. ONLY ONE LATCHING OR LOCKING DEVICE PER DOOR. EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, OR SPECIAL KNOWLEDGE, OR EFFORT AS PER 2003 IBC SECTION 1008.1.8.
4. MAIN ENTRY DOORS TO HAVE 1 INCH TALL SIGNAGE STATING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" AS PER 2003 IBC SECTION 1008.1.8.3, EXCEPTION 2.2.
5. ALL DOORS AND HARDWARE ARE TO BE ADA COMPLIANT AS PER ICC/ANSI A117.1 STANDARDS.
6. ALL RESTROOMS ARE TO BE ADA COMPLIANT AS PER ICC/ANSI A117.1. SEE DETAILS.
7. ALL SITE LIGHTING MUST BE SHIELDED, DIRECTED DOWNWARD AND AWAY FROM THE RIGHT-OF-WAY AND ADJACENT PROPERTIES.
8. ALL INSULATION MATERIAL INCLUDING FACINGS ARE REQUIRED TO HAVE A FLAME SPREAD OF 25 OR LESS AND A MAXIMUM SMOKE DEVELOPED INDEX OF NOT MORE THAN 450 AS PER 2003 IBC SECTION 719.2. SEE EXCEPTIONS.
9. FIRE PARTITION WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH 2003 IBC SECTION 708. NOTE REQUIREMENTS OF OPENINGS AND PENETRATIONS.
10. OPENINGS IN FIRE RATED CONSTRUCTION SHALL CONFORM TO 2003 IBC SECTION 715, AND DUCTS AND AIR TRANSFER OPENINGS SHALL CONFORM TO 2003 IBC SECTION 716.
11. FIRE BLOCKING AND DRAFTSTOPPING SHALL BE INSTALLED IN COMBUSTIBLE CONCEALED LOCATIONS IN ACCORDANCE WITH 2003 IBC SECTION 717.
12. PROVIDE AND INSTALL 50 CFM MIN. FAN IN ALL RESTROOMS AND VENT TO OUTSIDE.
13. ALL OPENINGS IN THE EXTERIOR BUILDING ENVELOPE SHALL BE SEALED AGAINST AIR INFILTRATION. THE FOLLOWING AREAS MUST BE SEALED:
JOINTS BETWEEN WALL CAVITY AND WINDOW/DOOR FRAMES.
JOINTS BETWEEN WALL AND FOUNDATION & WALL AND ROOF.
JOINTS BETWEEN WALL PANELS.
UTILITY PENETRATIONS THROUGH EXTERIOR WALLS, FLOOR AND ROOF.
14. PROVIDE A "KNOX-BOX" ENTRY BOX - VERIFY LOCATION W/ CITY OF NEW CASTLE FIRE DEPARTMENT.

PROJECT:	NO.	REVISIONS:
	DATE:	
DRAWING TITLE:	NEW ADDITION FOR:	
	PROJECT:	
PROJECT No.	FIRST BAPTIST CHURCH	
	15-001	
DATE:	12/21/2015	
	SHEET No.:	
T1		