

New Meetinghouse Facilities for

ISLAMIC CENTER OF LAKE CITY

Columbia County, Florida

Drawing Index

| | | | | | |
|------|---|------|-----------------------------------|------|---------------------------------|
| CS.1 | COVER SHEET, DRAWING INDEX | A.6 | FLOOR PLAN | A.16 | LOWER ROOF PLAN |
| | | A.7 | INTERIOR ELEVATIONS | A.17 | UPPER ROOF PLAN |
| SP.1 | SITE PLAN | A.8 | TYPICAL WALL SECTION & DETAILS | A.18 | FRAMING DETAILS |
| SP.2 | ENTRY GATE DETAILS | A.9 | BUILDING SECTION | A.19 | PLUMBING FLAT PLAN |
| SP.3 | GENERAL SITE DETAILS | A.10 | BUILDING SECTION | A.20 | MECHANICAL DETAILS |
| A.1 | GENERAL NOTES, SITE SIGN, BUILDING USE PLAN | A.11 | STRUCTURAL NOTES | A.21 | HVAC PLAN |
| A.2 | GENERAL NOTES, AS-BUILT FIELD NOTES | A.12 | FOUNDATION PLAN | A.22 | POWER PLAN |
| A.3 | BUILDING ELEVATIONS | A.13 | STRUCTURAL DETAILS | A.23 | LIGHTING PLAN |
| A.4 | BUILDING ELEVATIONS | A.14 | MASONRY WALL ELEVATIONS & DETAILS | A.24 | SCHEDULES, RISER & CALCULATIONS |
| A.5 | FLOOR PLAN DIMENSIONS | A.15 | GENERAL CMF DETAILS | | |

| | |
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| BUILDING USE, CLASSIFICATION & OCCUPANCY AS PER TABLES 500 & 1003.1, FLORIDA BUILDING CODE, 2004 ED. | |
| BUILDING GROUP OCCUPANCY | GROUP A-3 |
| TABLE 500 TYPE OF CONSTRUCTION | TYPE III - UNPRO. |
| TABLE 500 AREA/HEIGHT LIMITATIONS | 9.5 KSF/2 STORY |
| TABLE 500 AREA INCREASE: | - |
| OCCUPANCY | |
| ASSEMBLY AREA: | |
| REFER TO CALCULATION ON A.1: | 221 OCCUPANTS |

| | |
|--|---|
| ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2004 EDITION. | |
| BASIC WIND SPEED: | 110 MPH |
| WIND IMPORTANCE FACTOR (I): | I = 1.00 |
| BUILDING CATEGORY: | CATEGORY II |
| WIND EXPOSURE: | "B" |
| INTERNAL PRESSURE COEFFICIENT: | +/- 0.18 |
| MUFRS PER TABLE 1609.2A (FBC 2004) DESIGN WIND PRESSURES: | ROOF: - 23.1 PSF WALLS: + 26.6 PSF EAVES: - 32.3 PSF |
| COMPONENTS & CLADDING PER TABLES 1609.2B & 1609.2C (FBC 2004) DESIGN WIND PRESSURES: | OPINGS: + 21.8 / - 29.1 PSF EAVES: - 68.3 PSF ROOF: + 19.9 / - 25.5 PSF |

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DRAWN:

mpg

NEW MOSQUE for:
ISLAMIC CENTER OF LAKE CITY
COLUMBIA COUNTY, FLORIDA

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386-7555-9021
N.C.A.R.B. Certified

DATE:

21 DEC 2005

CONTRACT:

2K5-7

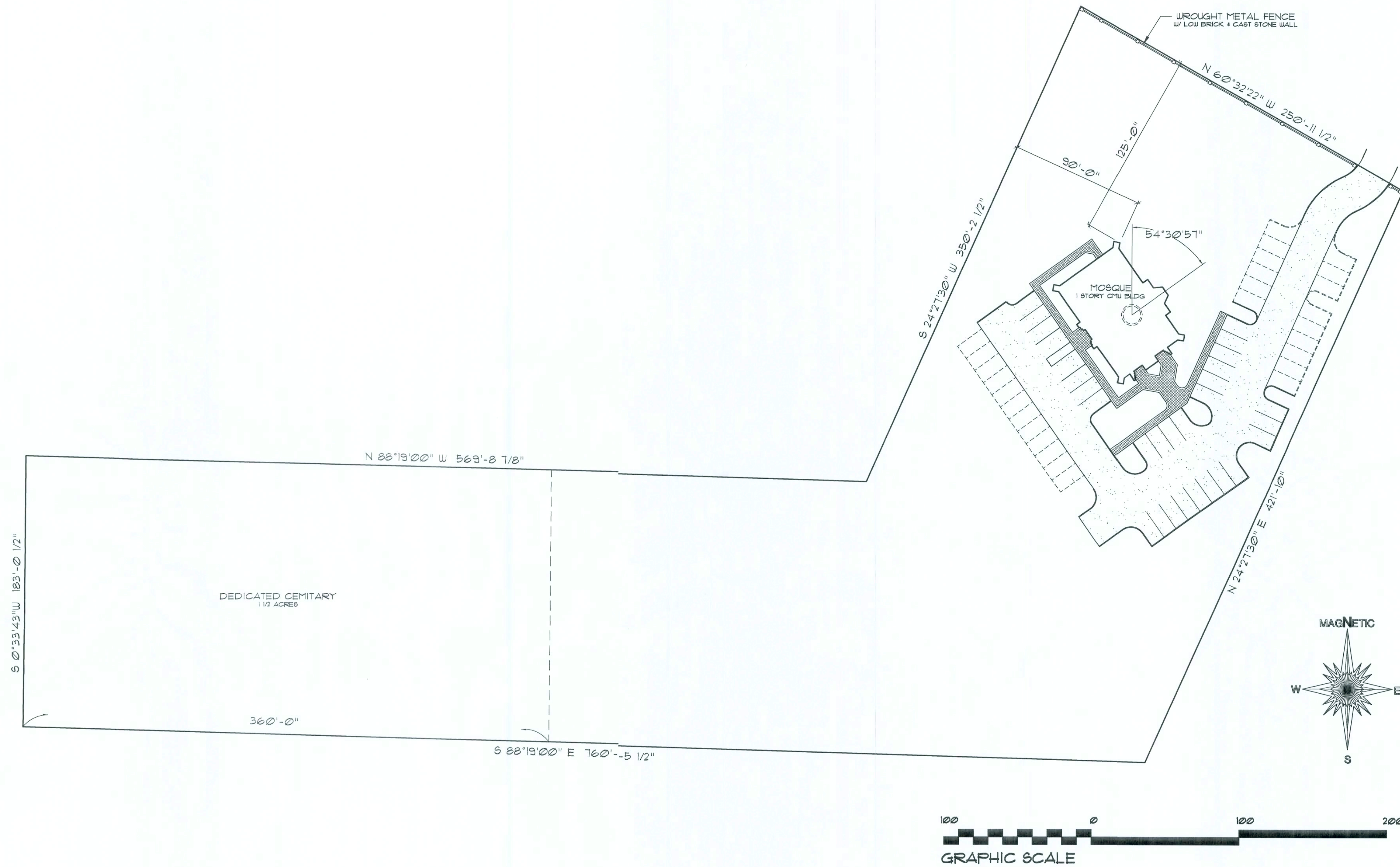
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CS.1

1 of 1

AR0007003

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SITE PLAN

SCALE: 1" = 40'-0"

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np8

NEW MOSQUE for:
NORTH FLORIDA ISLAMIC CENTER
COLUMBIA COUNTY, FLORIDA

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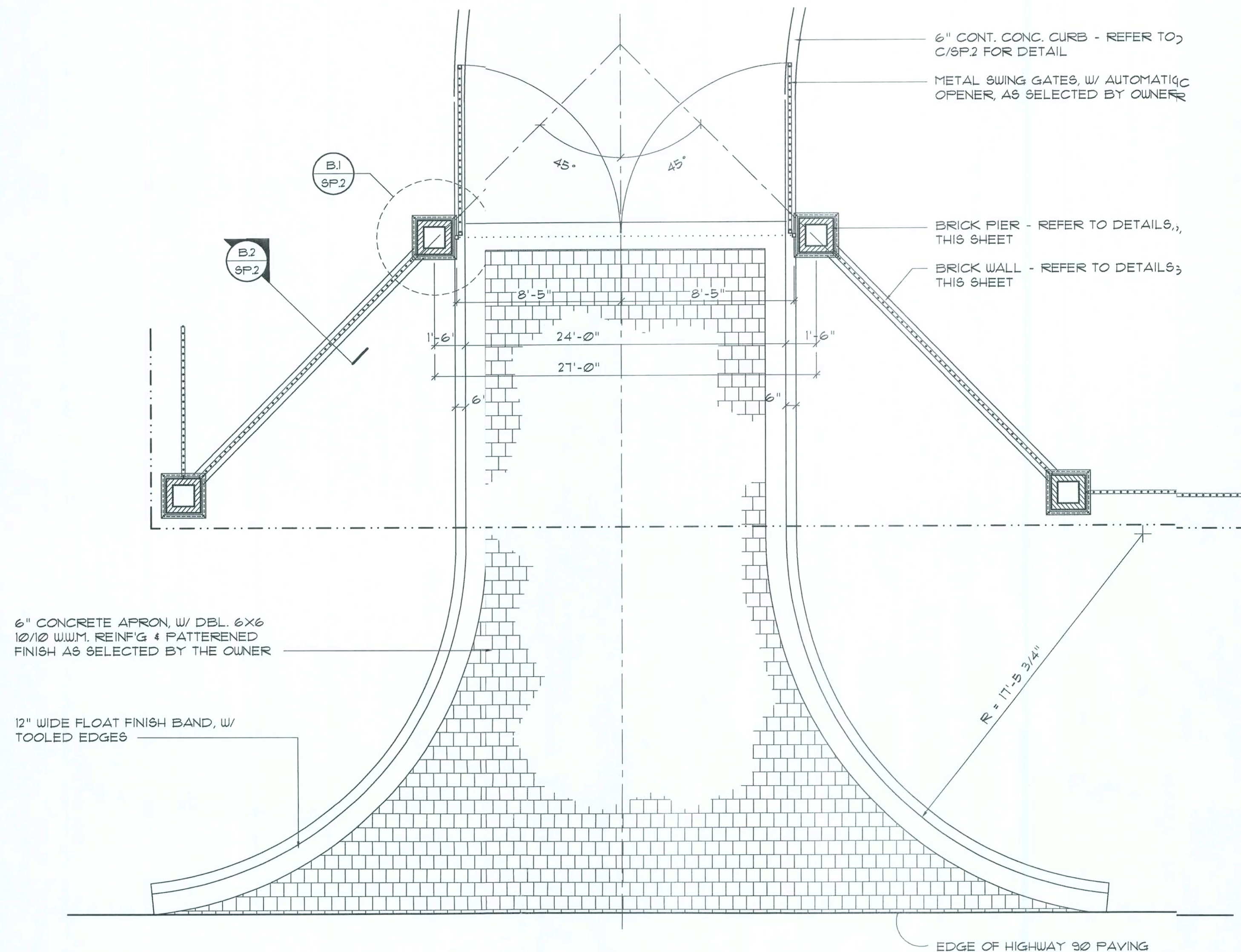
SHEET:

SP.1

1 of 1

AR0007005

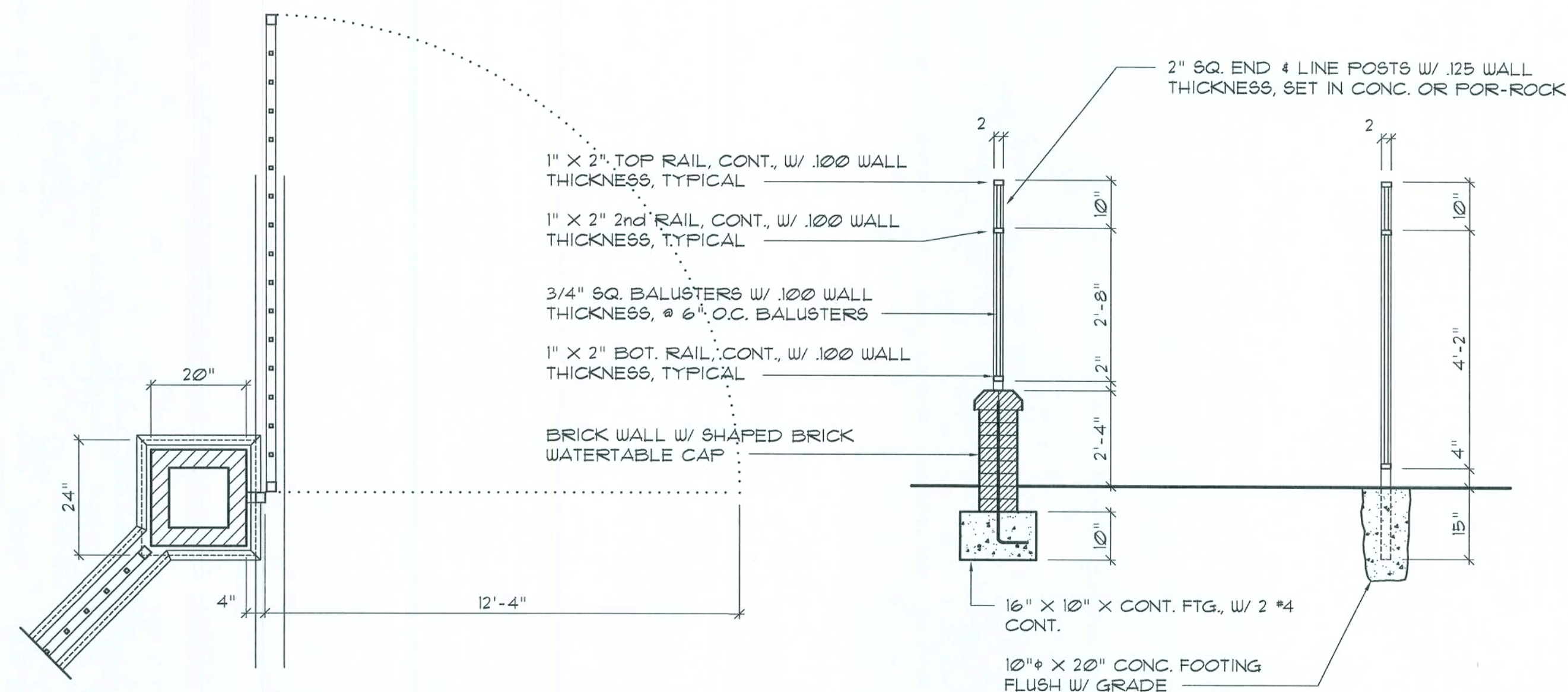
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Entry Gate PLAN

SCALE: 1/4" = 1'-0"

A



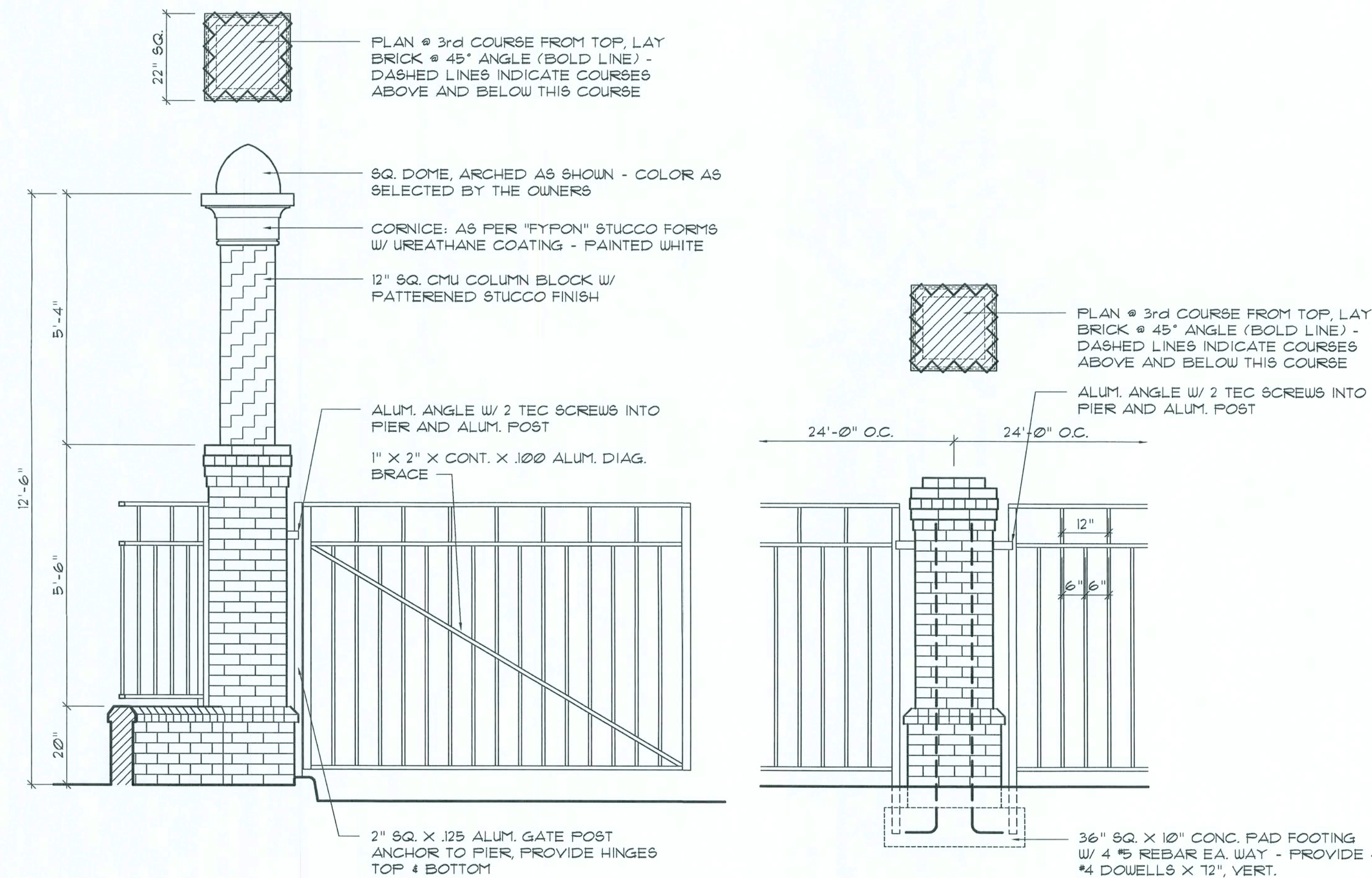
PLAN @ GATE PIER

B.1

ENTRY GATE SECTION @ FENCE

B.2

TYP. LINE



ELEV. @ GATE PIER

TYPICAL LINE PIER

Entry Gate DETAILS

SCALE: 1/2" = 1'-0"

B

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17 DEC 2005

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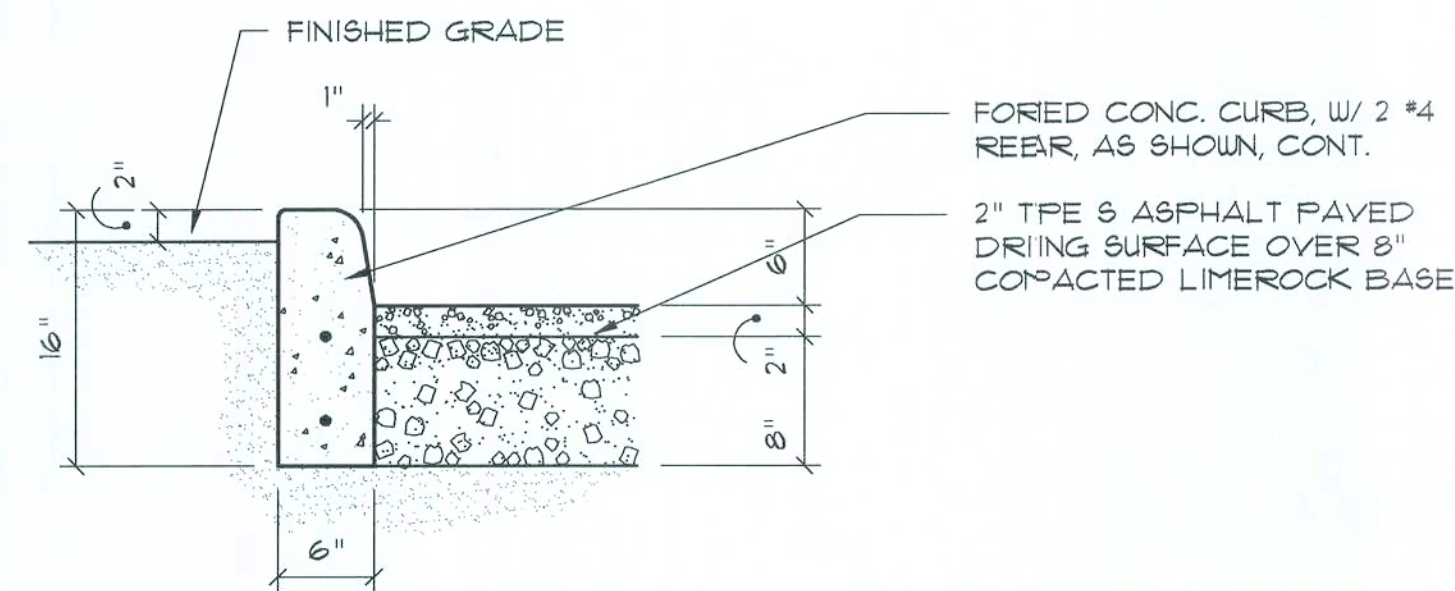
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SHEET:

SP.2

2 OF 3

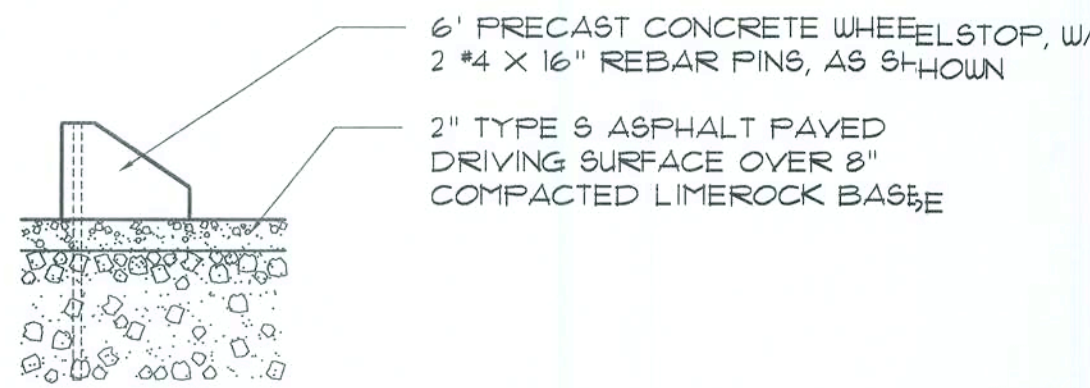
AR0007005



Curb DETAIL

SCALE: 1" = 1'-0"

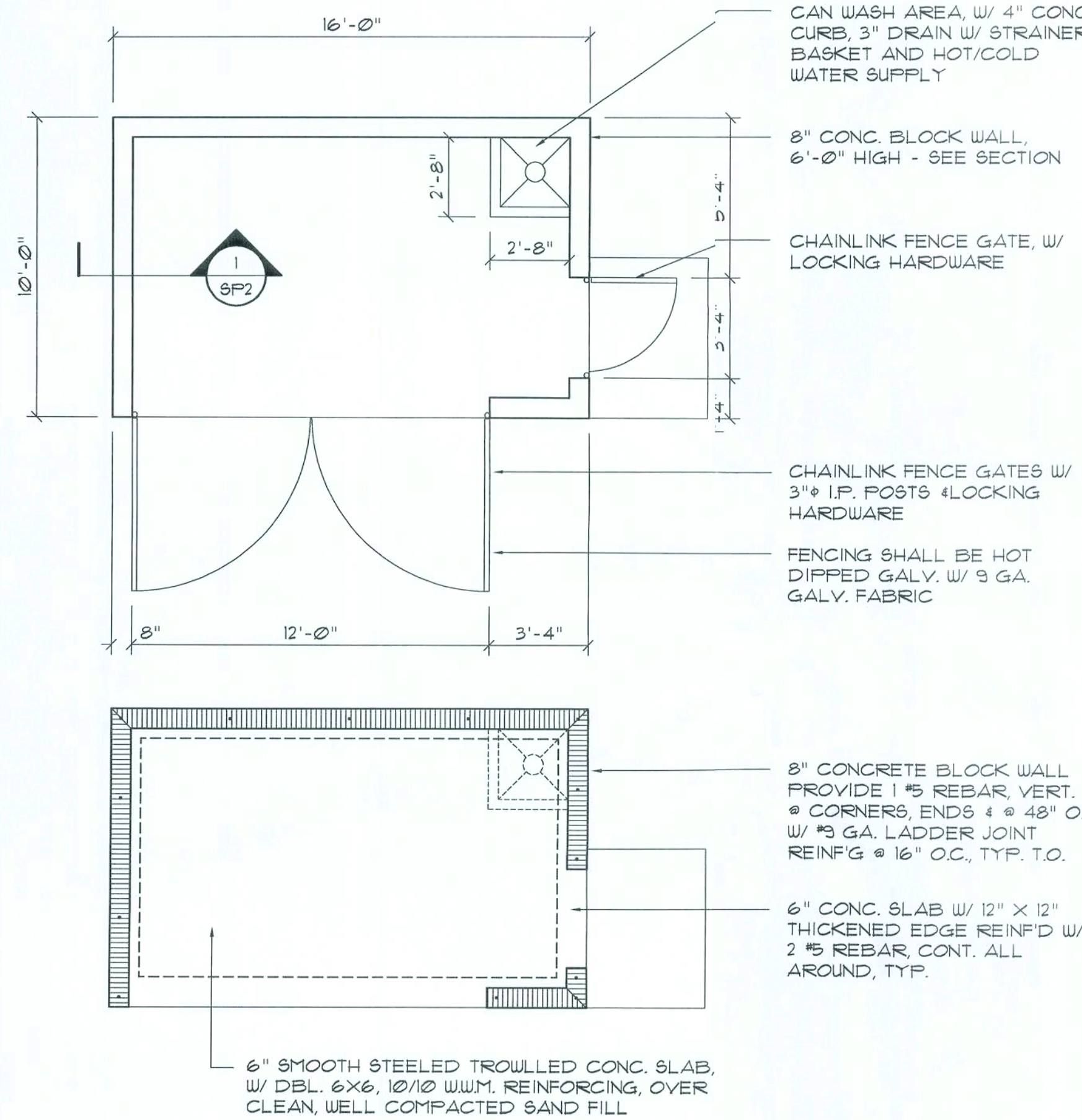
A



Wheelstop DETAIL

SCALE: 1" = 1'-0"

B

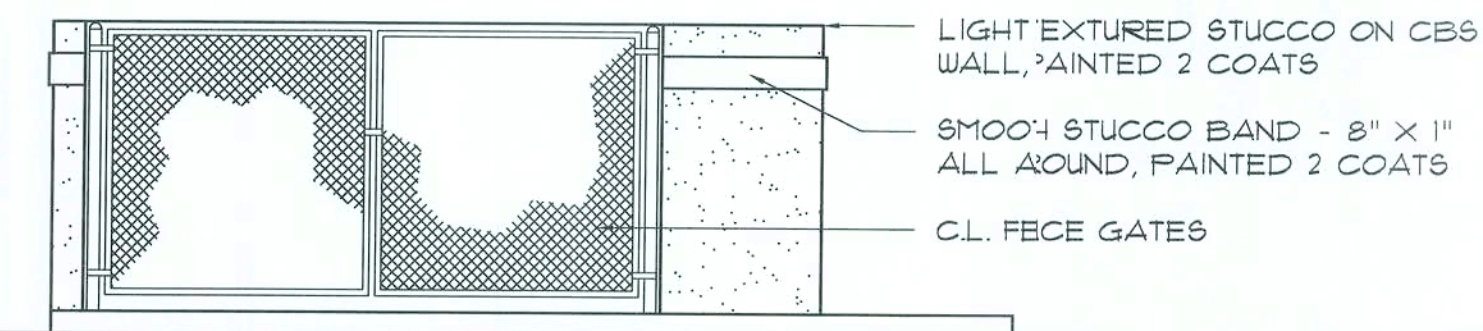


Dumpster Enclosure

SCALE: 1/4" = 1'-0"

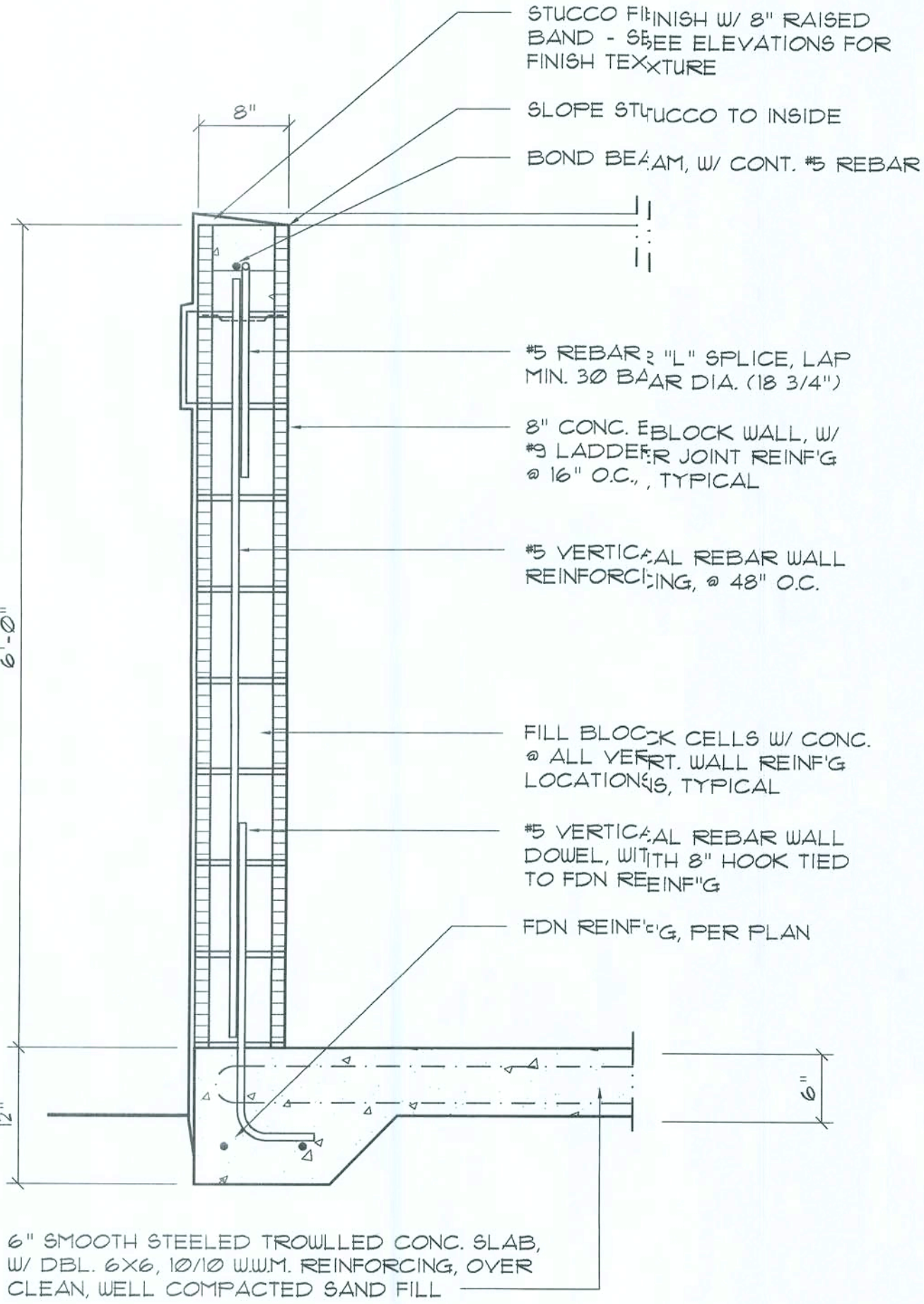
D

NOTE!
ADDED FILL SHALL BE APPLIED IN 8" LIFTS - EA. LIFT SHALL BE COMPACTED TO 95% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.



Enclosure ELEV.

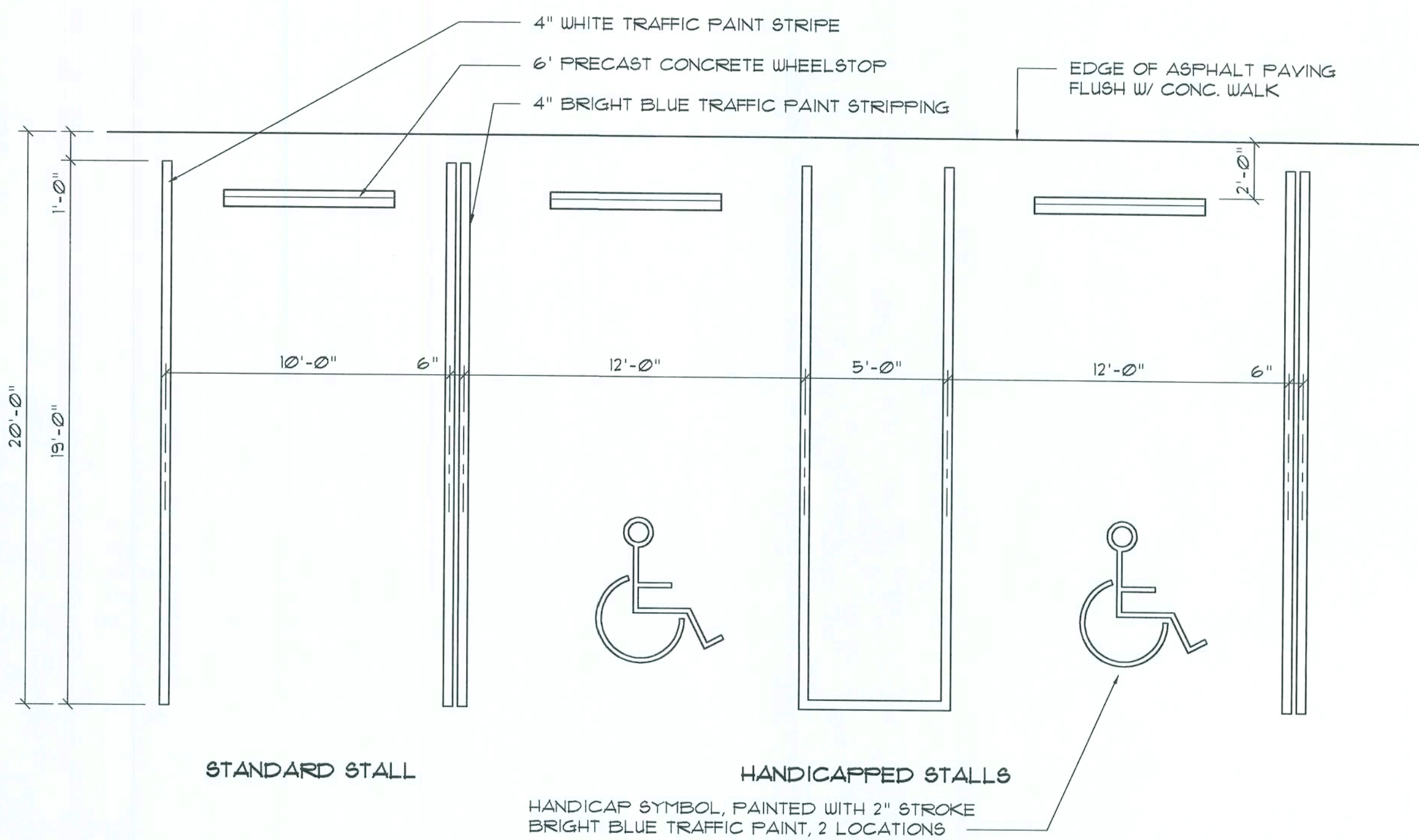
SCALE: 1/4" = 1'-0"



Enclosure Wall SEC.

SCALE: 1" = 1'-0"

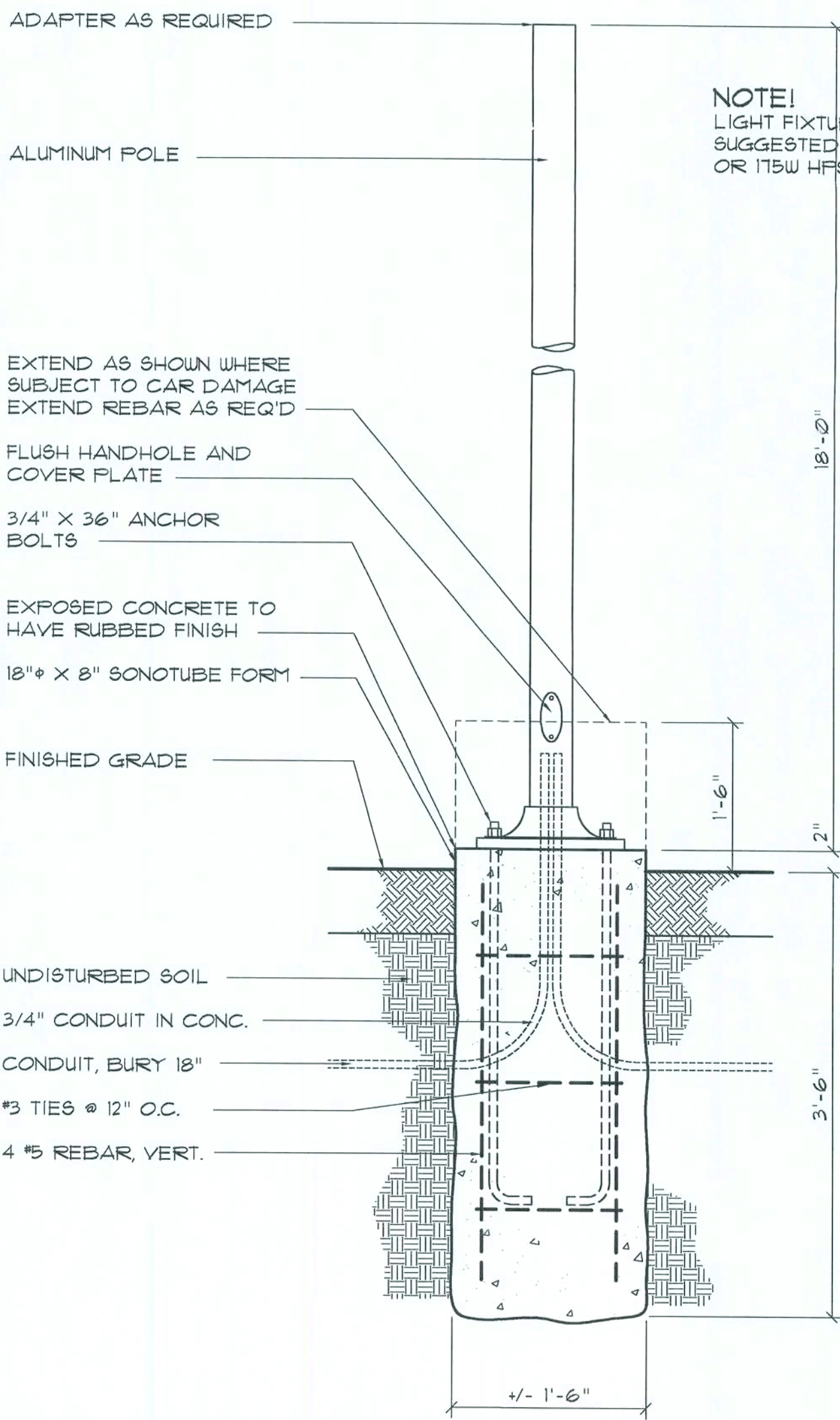
1



Parking DETAIL

SCALE: 1" = 1'-0"

C



Pole & Base DET.

SCALE: 3/4" = 1'-0"

E

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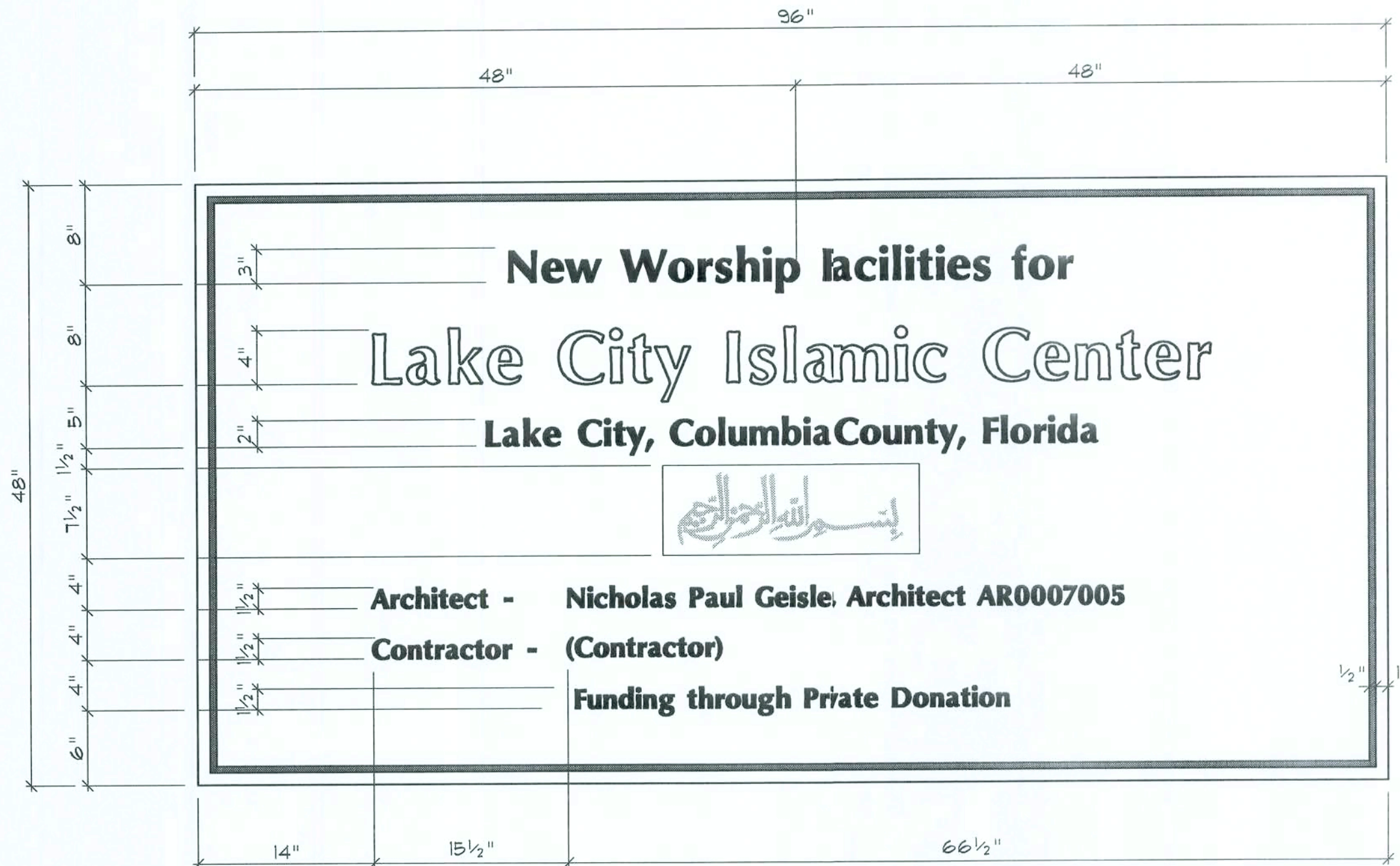
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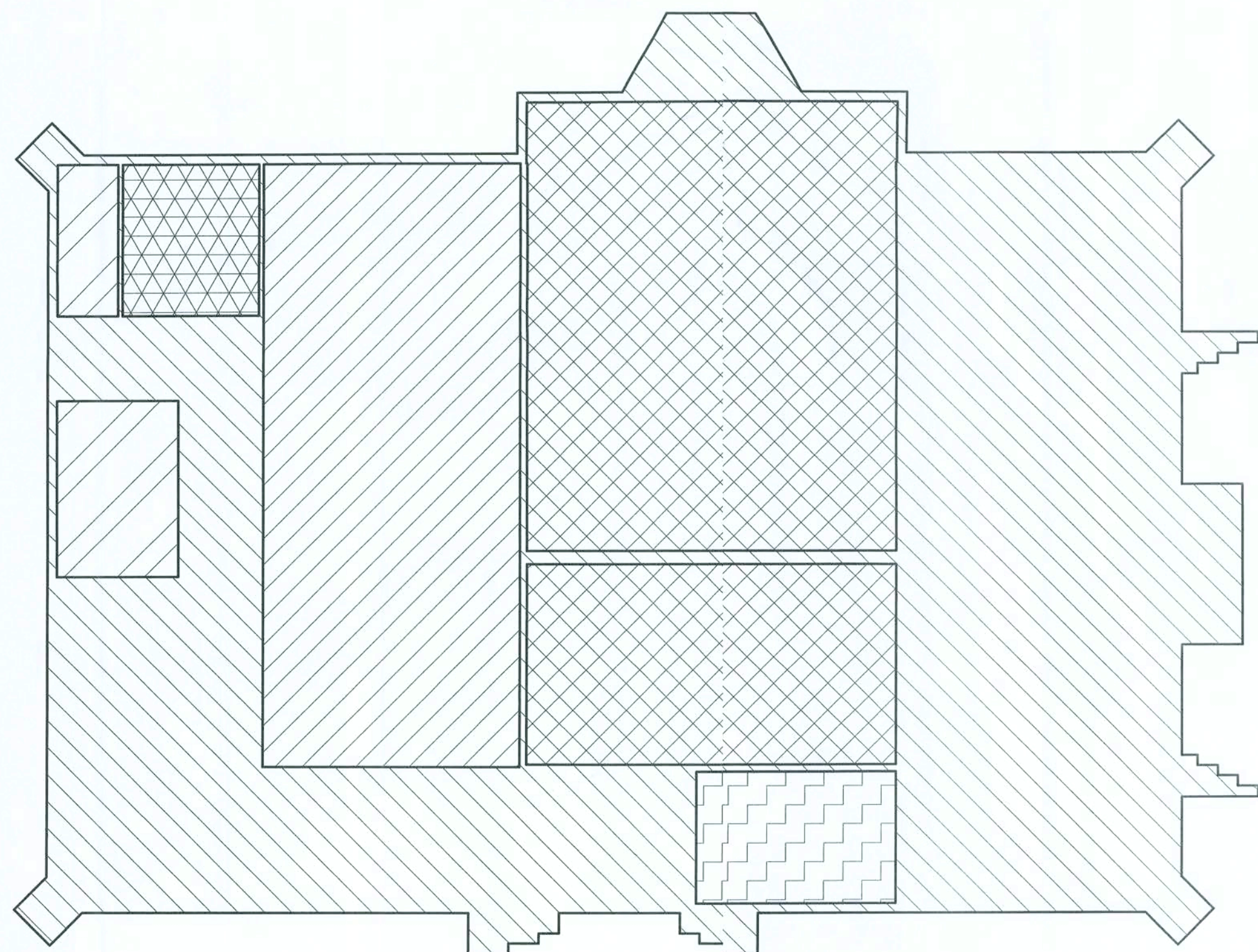


Construction Sign DETAILS

SCALE: NONE

SIGNAGE NOTES

- BACKING SHALL BE 48" X 96" X 1/2" ACX PLYWOOD, PRIMED AND PAINTED 2 COATS WHITE EXTERIOR ENAMEL.
- SUPPORTS SHALL BE 4 - P/T 2X4 AT 16" O.C. AS SHOWN.
- POSTS SHALL BE P/T 4X4, DIRECT BURIED, WITH THE TOP FACE CUT AT A 30° ANGLE AS SHOWN.
- ASSEMBLY SHALL BE WITH 8 - 1/4" X 6" CARRIAGE BOLTS W/ 1" WASHERS AND NUTS - 4 EACH POST.
- THE BORDER SHALL BE A 1/2" WIDE BLACK STRIPE SET 1" IN FROM THE SIGN EDGES, ALL AROUND.
- TEXT SHALL BE BLACK FOR ALL LINES EXCEPT THE 2nd LINE, WHICH SHALL BE LIGHT BLUE WITH 1/8" BLACK PIPING.
- TEXT SPACING AND 1/2 HEIGHT SHALL BE AS THE DETAIL.
- FONT STYLE SHALL BE OPTIMA BOLD.



Occupancy Use PLAN

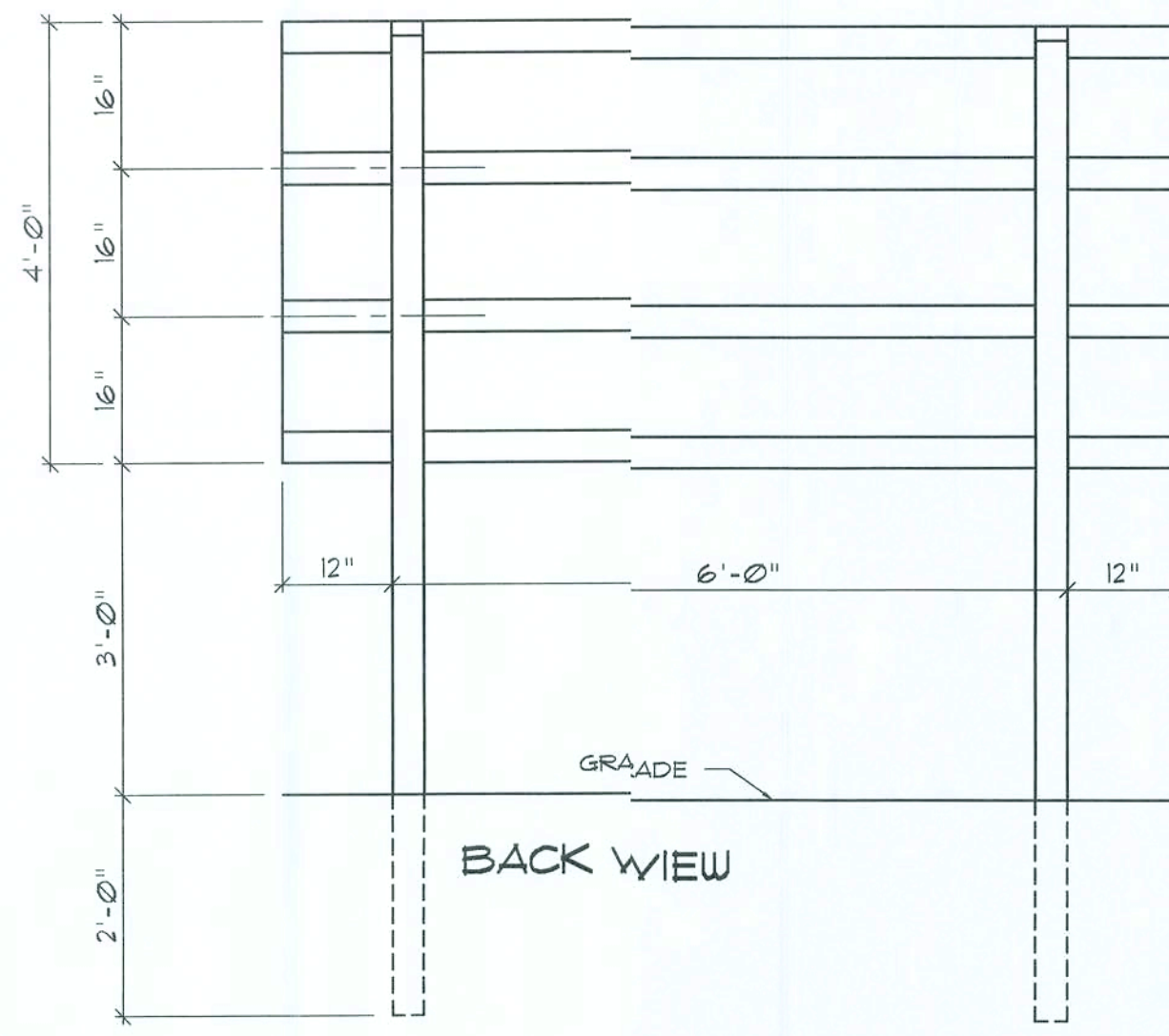
SCALE: 1/8" = 1'-0"

TOTAL BUILDING OCCUPANTS = 227

TOTAL BUILDING AREA = 4053.9 SF

BUILDING DATA:

| | |
|----------------------------|------------------------------------|
| TYPE OF OCCUPANCY: | GROUP A3 |
| TYPE OF CONSTRUCTION: | TYPE III, UNPROTECTED, UNSPRINKLED |
| TABLE 503 2004 FBC: | |
| MAX HGT: | 22 STORIES / 55' |
| BASIC AREA: | 3.5 KSF |
| TABLE 600 2004 FBC: | |
| MAX OPENINGS IN O/S WALLS: | 300' CLEAR - NL |
| GROSS BUILDING AREA: | 44053.9 SF |



| | |
|--|-------------------|
| BUILDING USE, CLASSIFICATION & OCCUPANCY AS PER TABLES 503 & 1003, FLORIDA BUILDING CODE, 2004 ED. | |
| BUILDING GROUP OCCUPANCY | GROUP A-3 |
| TABLE 503 TYPE OF CONSTRUCTION | TYPE III - UNPRO. |
| TABLE 503 AREA/HEIGHT LIMITATIONS | 9.5 KSF/2 STORY |
| TABLE 503 AREA INCREASE: | - |
| OCCUPANCY BASED ON AREA USE PLAN, THIS SHEET: | 515 OCCUPANTS |

| | |
|--|--|
| ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2004 EDITION. | |
| BASIC WIND SPEED: | 110 MPH |
| WIND IMPORTANCE FACTOR (I): | I = 1.00 |
| BUILDING CATEGORY: | CATEGORY II |
| WIND EXPOSURE: | "B" |
| INTERNAL PRESSURE COEFFICIENT: | +/- 0.18 |
| MUFRS PER TABLE 1609.2A (FBC 2004) DESIGN WIND PRESSURES: | ROOF: - 23.1 PSF WALLS: + 26.6 PSF EAVES: - 32.3 PSF |
| COMPONENTS & CLADDING PER TABLES 1609.2B & 1609.2C (FBC 2004) DESIGN WIND PRESSURES: | OPNGS: + 21.8 / - 29.1 PSF EAVES: - 68.3 PSF ROOF: + 19.9 / - 25.5 PSF |

NOTE!

PRIOR TO THE CONSTRUCTION OF THE FOUNDATION, THE CONTRACTOR SHALL COORDINATE ANY INTERIOR BEARING LOCATION CONDITIONS PER THE TRUSS ENGINEERED SHOP DRAWINGS WITH THE FOUNDATION PLAN. ANY INTERIOR BEARING LOCATIONS OR ANY POINT LOADS OF 40 K OR GREATER SHALL BE SUPPORTED VIA A MODIFIED FOUNDATION PLAN. TAKING THESE LOADS INTO CONSIDERATION, THE CONTRACTOR SHALL MAKE THE ENGINEERED TRUSS SHOP DRAWINGS AVAILABLE TO THE ARCHITECT FOR THE PURPOSE OF RENDERING SUCH MODIFICATIONS PRIOR TO POURING ANY CONCRETE.

SHOP DUG COORDINATION: THE TRUSS ANCHOR STRAPS AS INDICATED IN THE CONSTRUCTION DOCUMENTS ARE SUGGESTED STRAPS AND THAT THE TRUSS ENGINEERED SHOP DRAWING LOADS TAKE PRECEDENCE OVER THAT INDICATED IN THE CONSTRUCTION DOCUMENTS. THE UPLIFT LOADS INDICATED FOR EACH TRUSS IN THE ENGINEERED TRUSS SHOP DRAWINGS MAY BE MATCHED TO STANDARD PRODUCT UPLIFT RATINGS FOR COMPARABLE UPLIFT CONNECTORS, AND THAT THE PRODUCTS THAT PROVIDE EQUAL OR GREATER UPLIFT RESISTANCE FOR THE LISTED LOADS MAY BE USED IN LIEU OF THOSE INDICATED IN THE CONSTRUCTION DOCUMENTS OR AS APPROVED BY THE BUILDING OFFICIAL.

THE CONTRACTOR SHALL COORDINATE THE TRUSS TO TRUSS ANCHOR REQUIREMENTS WITH THE TRUSS ENGINEERING SHOP DRAWINGS. SOME OF THE TRUSS TO TRUSS CONNECTIONS WILL REQUIRE ANCHOR STRAPS IN ADDITION TO TYPICAL WALLING ANCHOR DEVICES SHALL BE REQUIRED FOR ALL JOINTS WITH AN UPLIFT OR GRAVITY LOAD OF 100 LBS OR GREATER.

TRUSSES BEARING ON INTERIOR PARTITIONS WHERE UPLIFT LOADS ARE PRESENT SHALL REQUIRE ANCHORS OF EQUAL OR GREATER LOAD CAPACITY THAN THAT INDICATED BY THE TRUSS SHOP DRAWINGS. THE UPLIFT ANCHOR SYSTEM SHALL BE CONTINUOUS TO THE FOUNDATION.

STANDARD ABBREVIATIONS

| | | | |
|------------------|-------------------|------------|--------------------------|
| AT | AT | GALV. | GALVANIZED |
| NUMBER or POUNDS | NUMBER or POUNDS | HORZ. | HORIZONTAL |
| EQUALS | INS. | INS. | INSULATION |
| DIAMETER | INT. | INT. | INTERIOR |
| WITH | LAV. | LAV. | LAVATORY |
| WITHOUT | LVL. | LVL. | LAMINATED VENEER LUMBER |
| CENTERLINE | MAX. | MAX. | MAXIMUM |
| AND | MIN. | MIN. | MINIMUM |
| PLUS or MINUS | MISC. | MISC. | MISCELLANEOUS |
| ONE FOOT | M.O. | M.O. | MASONRY OPENING |
| ONE INCH | No. or Nr. | No. or Nr. | NUMBER |
| ONE QUARTER INCH | O.C. | O.C. | ON CENTER |
| 8 PENNY | O/H | O/H | OVERHEAD |
| BEAM | OHD | OHD | OVERHEAD DOOR |
| BY OTHERS | PLYWD. | PLYWD. | PLYWOOD |
| BOTTOM | P/T | P/T | PRESSURE TREATED |
| CEILING | REINF. | REINF. | REINFORCING (ED) |
| CLEANOUT | REQD | REQD | REQUIRED |
| CONC. | CONCRETE | RM. | ROOM |
| COTG | CLEANOUT TO GRADE | RO. | ROUGH OPENING |
| DBL. | DOUBLE | SF | SQUARE FEET |
| DIM. | DIMENSION | SGD | SLIDING GLASS DOOR |
| DN. | DOWN | SHT. | SHEET |
| ELEV. | ELEVATION | SR.LH | SUNSHINE RIVER LOG HOMES |
| EXT. | EXTERIOR | TYP. | TYPICAL |
| F | FRENCH (DOORS) | VERT. | VERTICAL |
| FDN. | FOUNDATION | WC | WATERCLOSET (TOILET) |

PROJECT INFORMATION / NOTES:

DESIGN VALUES/LOADS & CODES

WIND DESIGN SPEED: 110 MPH, UNLESS NOTED OTHERWISE

SOIL DESIGN STATEMENT: FOOTING DESIGN IS BASED UPON 1000PSF SOIL BEARING PRESSURE PROVIDED BY CLEAN SAND, GRAVEL OR STONE. OTHER SOIL CONDITIONS (i.e. CLAY, HIGH LEVEL OF ORGANICS OR OTHER UNDESIRABLE SOILS) SHALL REQUIRE FOUNDATION MODIFICATIONS.

LIVE LOADS: 1st FLOOR: 40PSF, 2nd FLOOR: 40PSF, ROOF: AS DETERMINED BY SHAPE FACTORS APPLIED TO THE WIND FORCE GENERATED BY THE DESIGN WIND SPEED.

BUILDING CODE: 2004 FLORIDA BUILDING CODE

ELECTRICAL CODE: NATIONAL ELECTRICAL CODE - LATEST
LIFE SAFETY: NFPA-101 - LATEST

CONSTRUCTION DOCUMENTS

THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITIES, FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK OR FABRICATION OF ANY MATERIALS.

DO NOT SCALE OFF THESE PLANS

AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATIONS OF THOSE ITEMS NOT DIMENSIONED.

CHANGES TO FINAL PLAN SETS

PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THESE PLANS WITHOUT CONSULTING WITH THE ARCHITECT. THE OWNER SHALL ASSUME ANY AND ALL LIABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM SPECIFICATION ON THE PLANS.

INORGANIC ARSENICAL PRESSURE TREATED WOOD

SOME FRAMING MATERIALS SPECIFIED FOR THE CONSTRUCTION OF YOUR PROJECT SUCH AS SILLIS OR EXTERIOR FRAMING ARE PRESSURE TREATED. EACH PIECE IS CLEARLY MARKED FOR EASY IDENTIFICATION AND IS USUALLY GREENISH IN COLOR.

THIS WOOD HAS BEEN PRESERVED BY PRESSURE-TREATMENT WITH AN EPA-REGISTERED PESTICIDE CONTAINING INORGANIC ARSENIC TO PROTECT IT FROM INSECT ATTACK AND DECAY. EXPOSURE TO TREATED WOOD MAY PRESENT CERTAIN HAZARDS, THEREFORE, PRECAUTIONS SHOULD BE TAKEN BOTH WHEN HANDLING THE TREATED WOOD AND IN DETERMINING WHERE TO USE OR DISPOSE OF THE TREATED WOOD.

FOR FURTHER INFORMATION ON THE USE OF AND DISPOSAL OF INORGANIC ARSENIC PRESSURE TREATED WOOD, PLEASE REFER TO THE EPA MATERIAL SAFETY SHEET DEALING WITH THIS PRODUCT.

HARDWARE RETIGHTENING REQUIREMENTS

ALL LAG SCREW AND BOLT CONNECTIONS ON COMPOUND BEAMS, POSTS, GIRDERS, TIMBERS TRUSSES AND OTHER STRUCTURAL MEMBERS TO BE INSPECTED PERIODICALLY AND RETIGHTENED AS NECESSARY.

SYMBOLS

THESE SYMBOLS ARE MOST OFTEN ENCOUNTERED IN THE FOLLOWING DRAWINGS: ELEVATIONS, DIMENSION PLANS, SECTIONS & STRUCTURAL PLANS

| | |
|--|---|
| | TYPE OF ELEVATION MARK USED TO INDICATE A PREFERRED TARGET ELEVATION - TRUE MEASUREMENT. |
| | TYPE OF DETAIL MARK USED TO INDICATE A SECTION OR DETAIL ASSOCIATED WITH A PLAN VIEW |
| | TYPE OF DETAIL MARK USED TO INDICATE A SECTION (i.e. SECTION "A" ON SHEET "A5", TAIL INDICATES DIRECTION OF VIEW |
| | TYPE OF SECTION MARK USED TO INDICATE A VIEW TAKEN IN THE DIRECTION OF THE ARROW (i.e. SECTION "A" FOUND ON "D&S" OF THE PROJECT MANUAL |
| | INDICATES FOOTING TYPE "A", DESCRIBED IN THE FOOTING SCHEDULE |
| | INDICATES POST/COLUMN TYPE "1", DESCRIBED IN THE COLUMN SCHEDULE |
| | INDICATES POST/COLUMN TYPE "1", LOCATED BELOW CURRENT LEVEL |
| | INDICATES POST/COLUMN TYPE "2", LOCATED ABOVE CURRENT LEVEL |
| | INDICATES POST/COLUMN TYPE "2" LOCATED OVER TYPE "1" POST/COLUMN |

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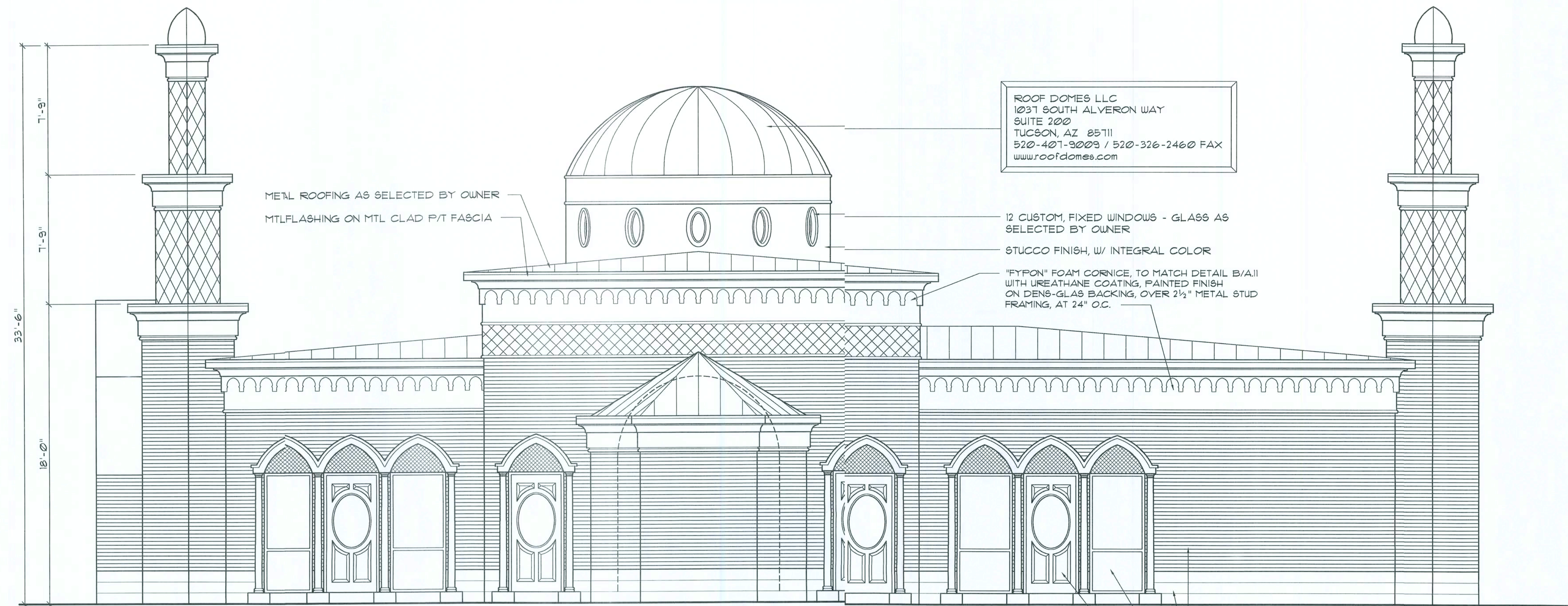
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SHEET:
A.1
1 OF 24

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NE ELEVATION

SCALE: 1/4" = 1'-0"



SE ELEVATION

SCALE: 1/4" = 1'-0"

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ISLAMIC CENTER of LAKE CITY
COLUMBIA COUNTY, FLORIDA

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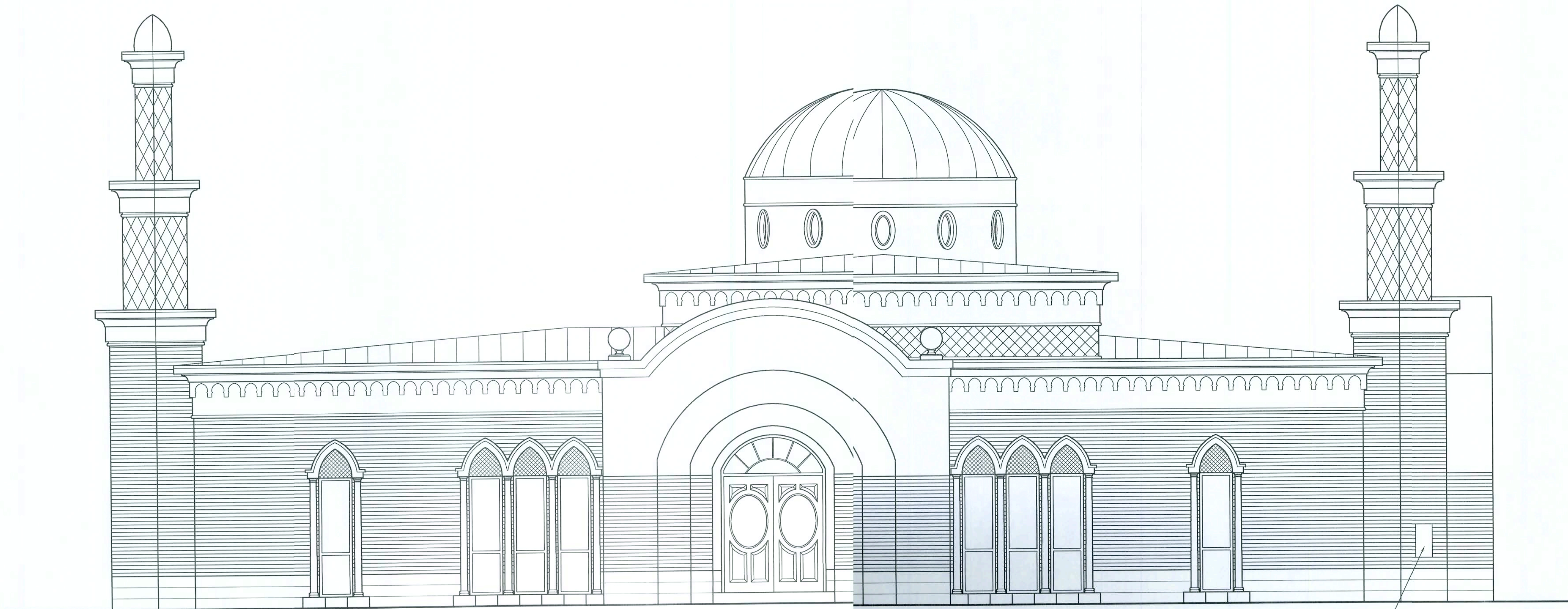
SHEET:

A.3

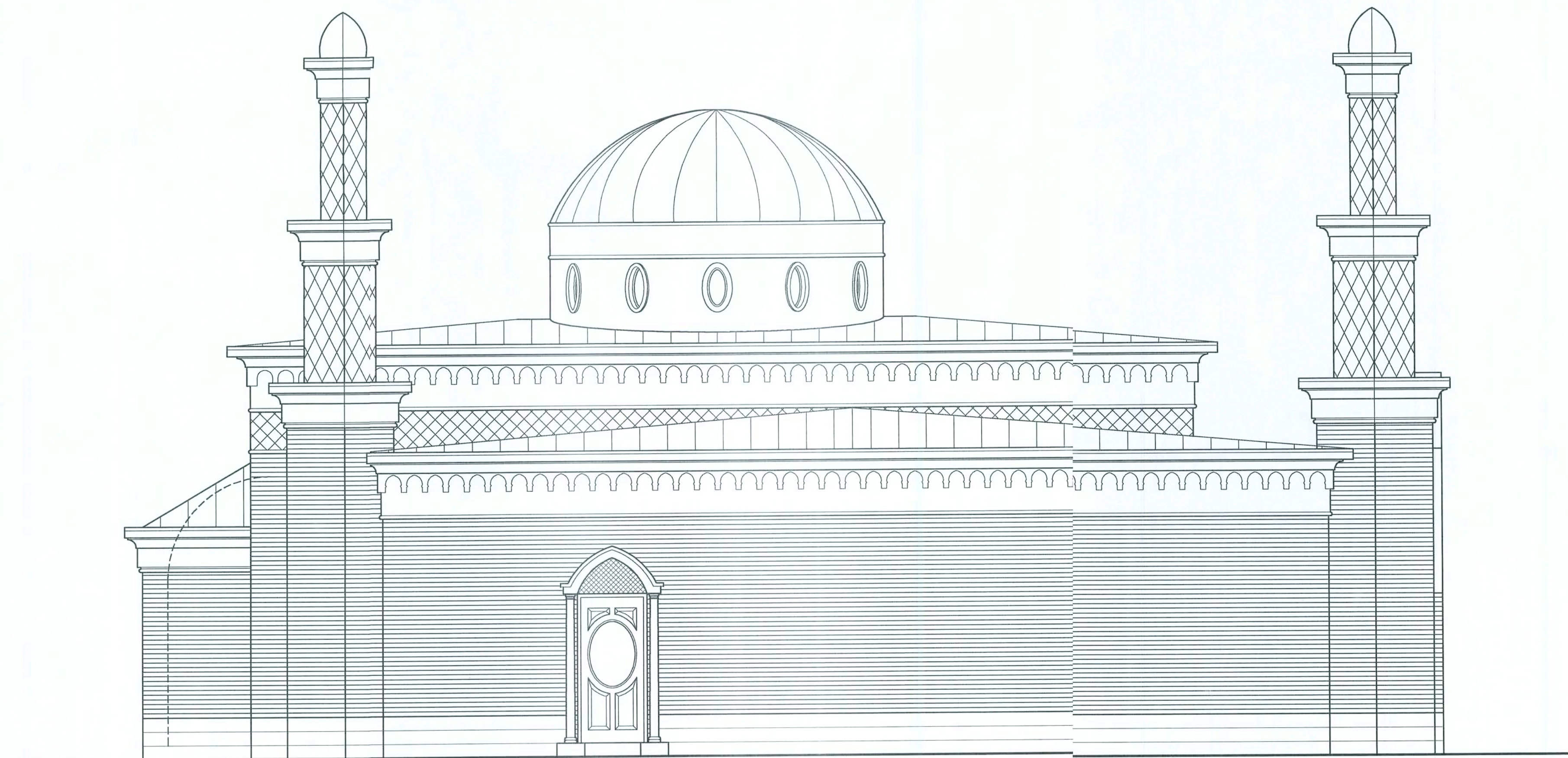
3 OF 24

ARO107005

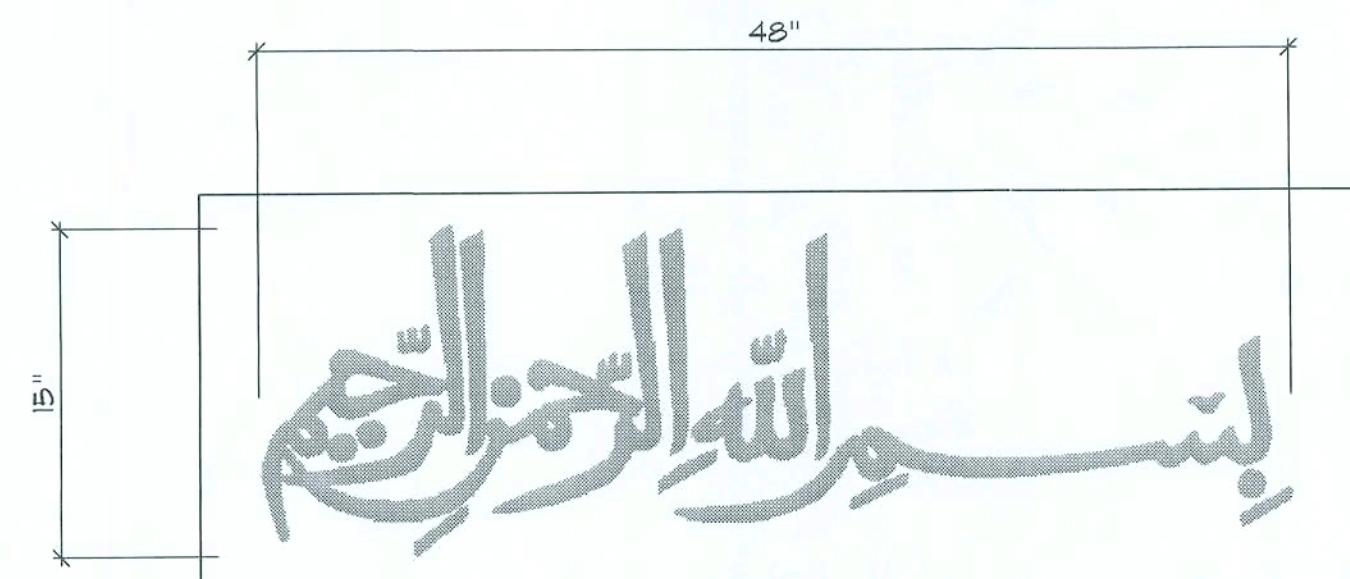
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SW ELEVATION
SCALE: 1/4" = 1'-0"



NW ELEVATION
SCALE: 1/4" = 1'-0"



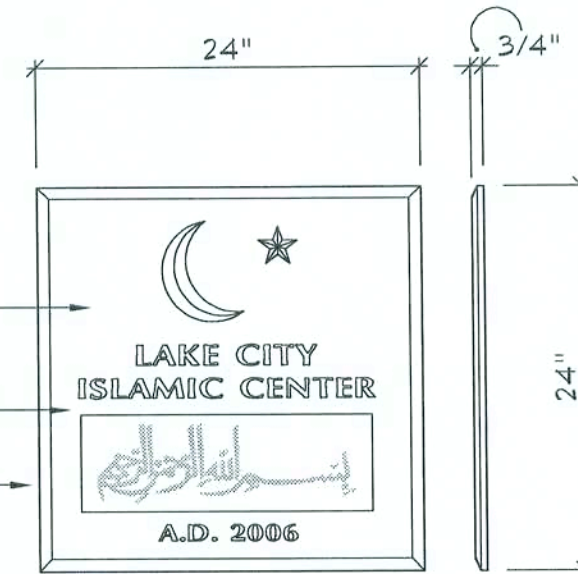
Cast Bronze Bismulah
Script SIGNAGE

SCALE: NONE

24" SQ. X 3/4" WHITE MARBLE PLAQUE
WITH CONCEALED MOUNTING HARDWARE,
INSCRIBED AS SHOWN (VERIFY W/ OWNER)

FONT STYLE "OPTIMA", 1" & 3/4" HIGH, W/ 125
WIDTH FACTOR

3/4" BEVELED EDGES



Dedication Plaque

SCALE: 3/4" = 1'-0"

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COLUMBIA COUNTY, FLORIDA

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N.C.A.R.B. Certified

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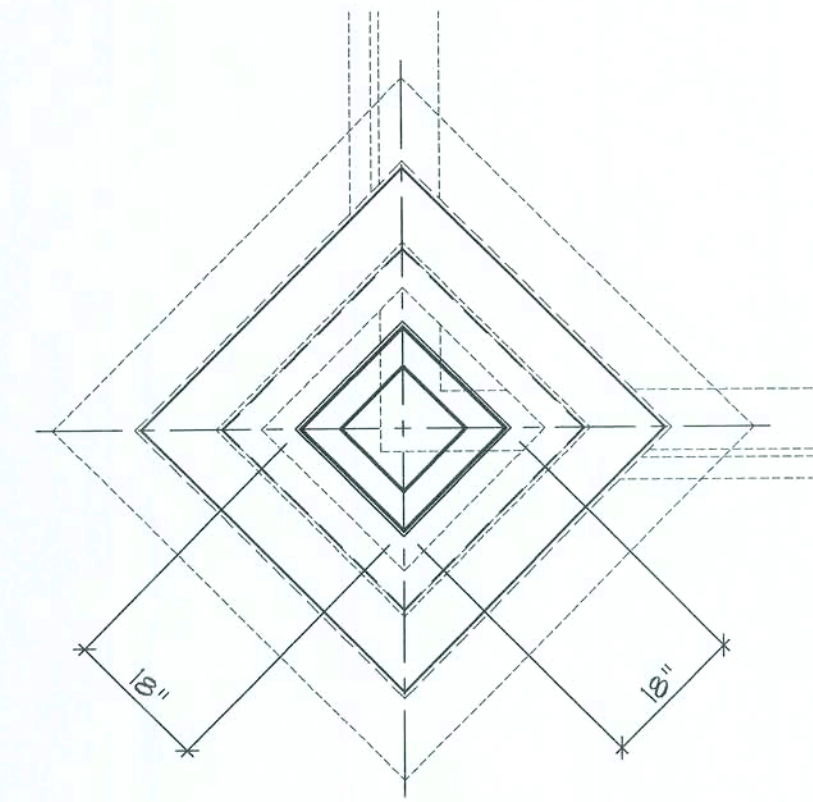
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A.4

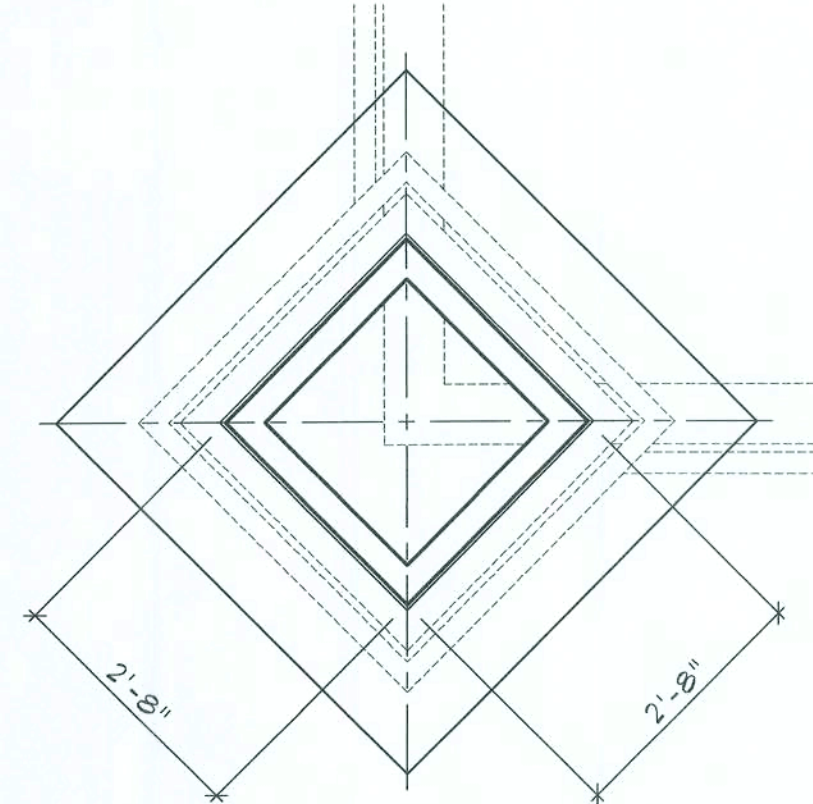
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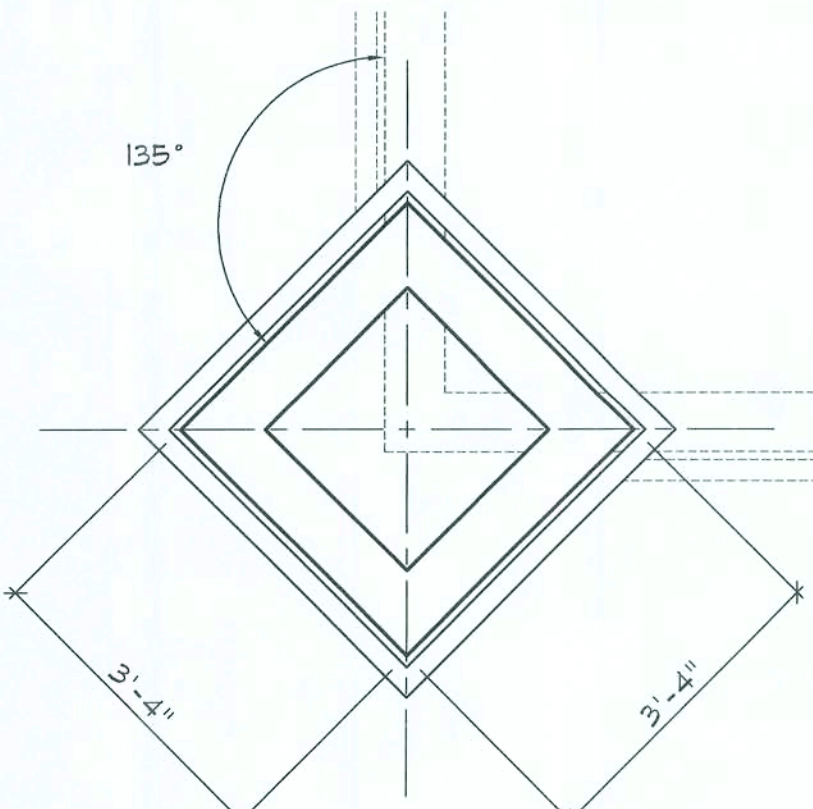
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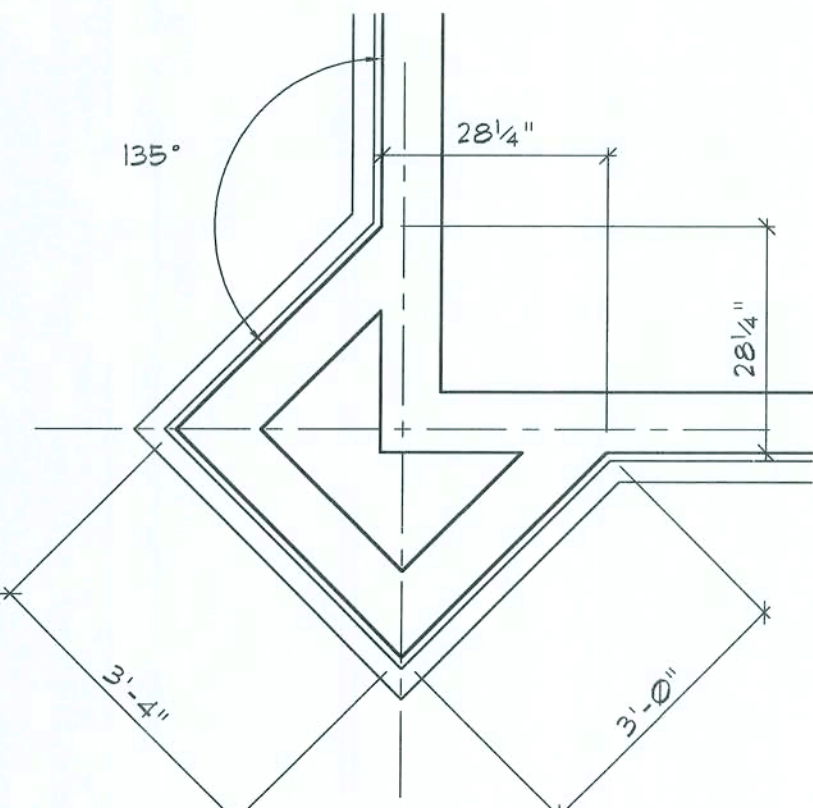
UPPER TOWER



LOWER TOWER



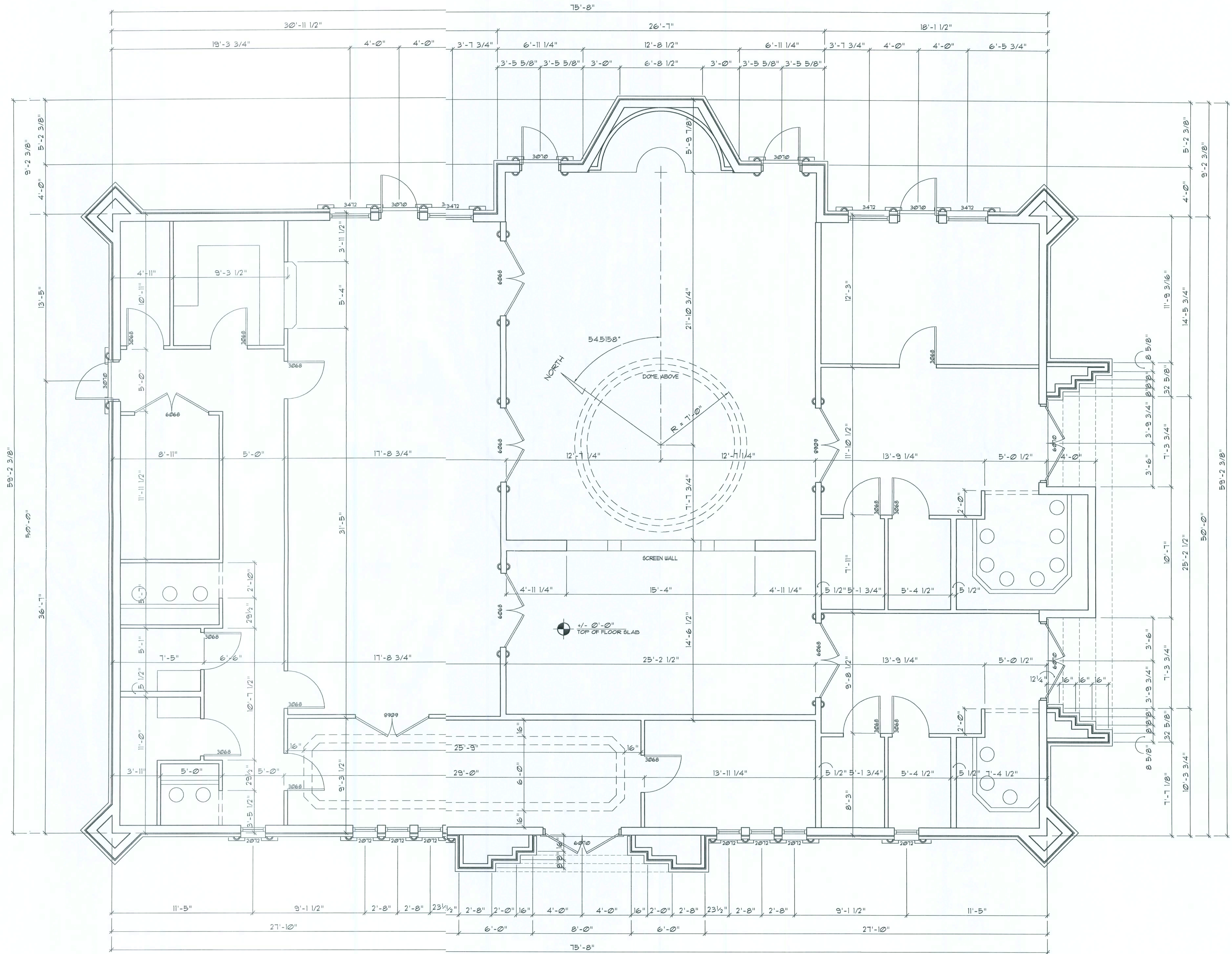
ABOVE ROOF LEVEL



AT FLOOR LEVEL

Minaret Dimension PLANS

SCALE: 1/2" = 1'-0"



Dimension PLAN

SCALE: 1/4" = 1'-0"

AREA TO O/S OF STRUCTURE: 4050.5 SQFT

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178

NEW MOSQUE FOR:
ISLAMIC CENTER OF LAKE CITY
COLUMBIA COUNTY, FLORIDA

NE
NICHOLAS
GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Gainesville, FL 32605
352-255-6051

DATE:

17 DEC 2005

COM:

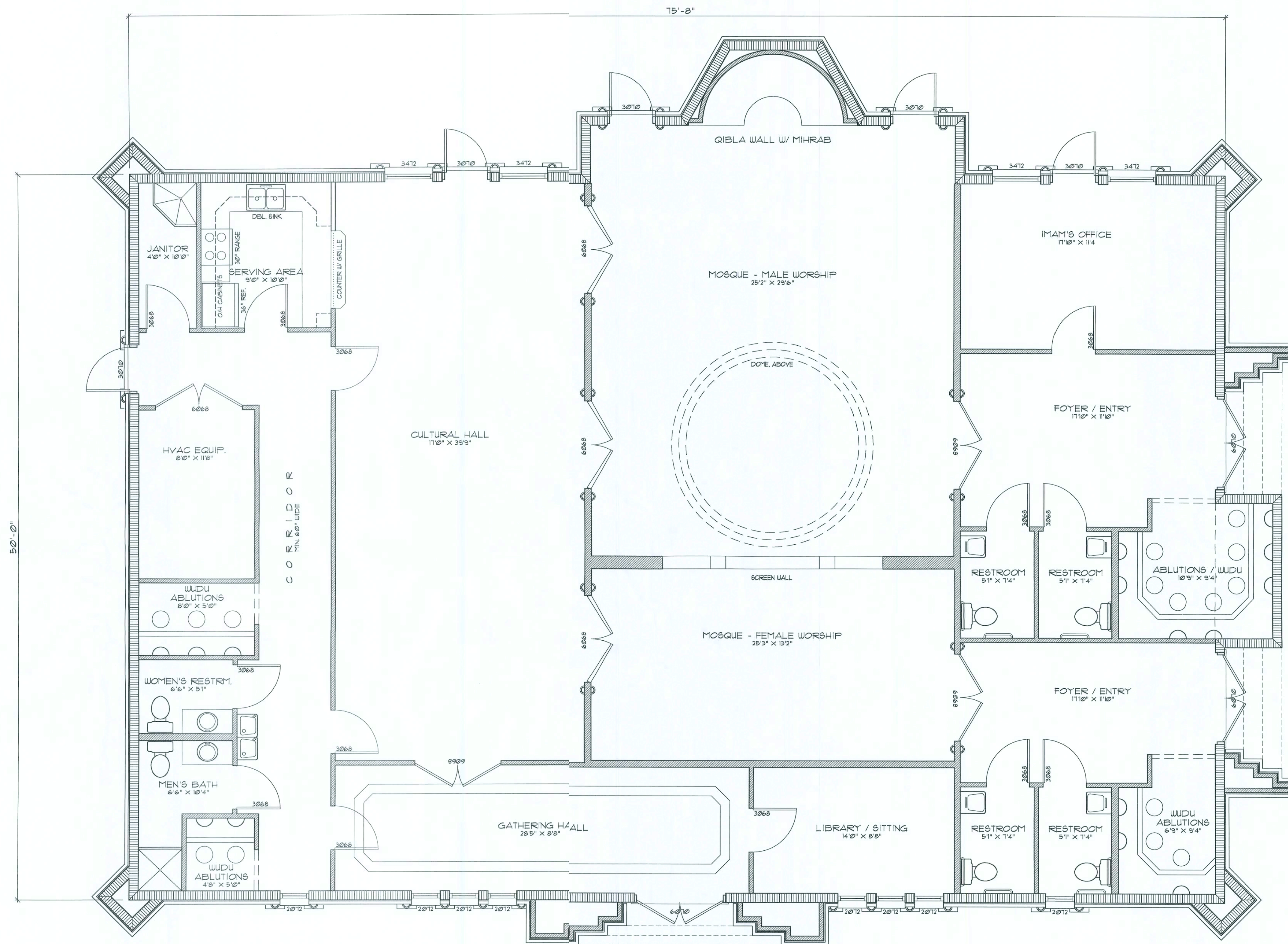
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5 OF 24

AF0007005



Floor PLAN

SCALE: 1/4" = 1'-0"

REVISION:

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N.P. Geisler, Architect

DRAWN:

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NEW MOSQUE for:
ISLAMIC CENTER OF LAKE CITY
COLUMBIA COUNTY, FLORIDA

NE
NICHOLAS
GEISLER
ARCHITECT
1758 NW Brown Rd.
Lake City, FL 32055
386-725-8021
N.C.A.R.B. Certified

DATE:

21 DEC 2005

OWNER:

2K547

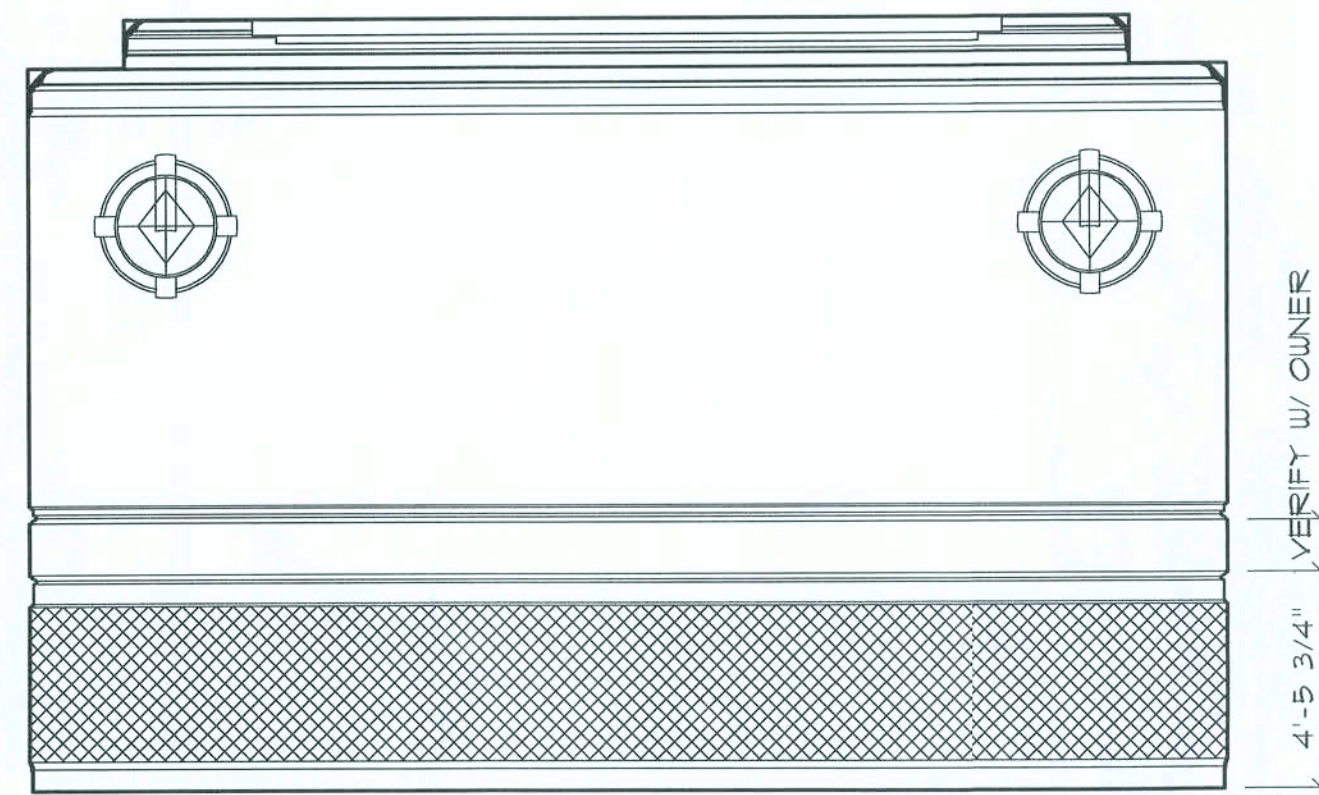
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6 OF 24

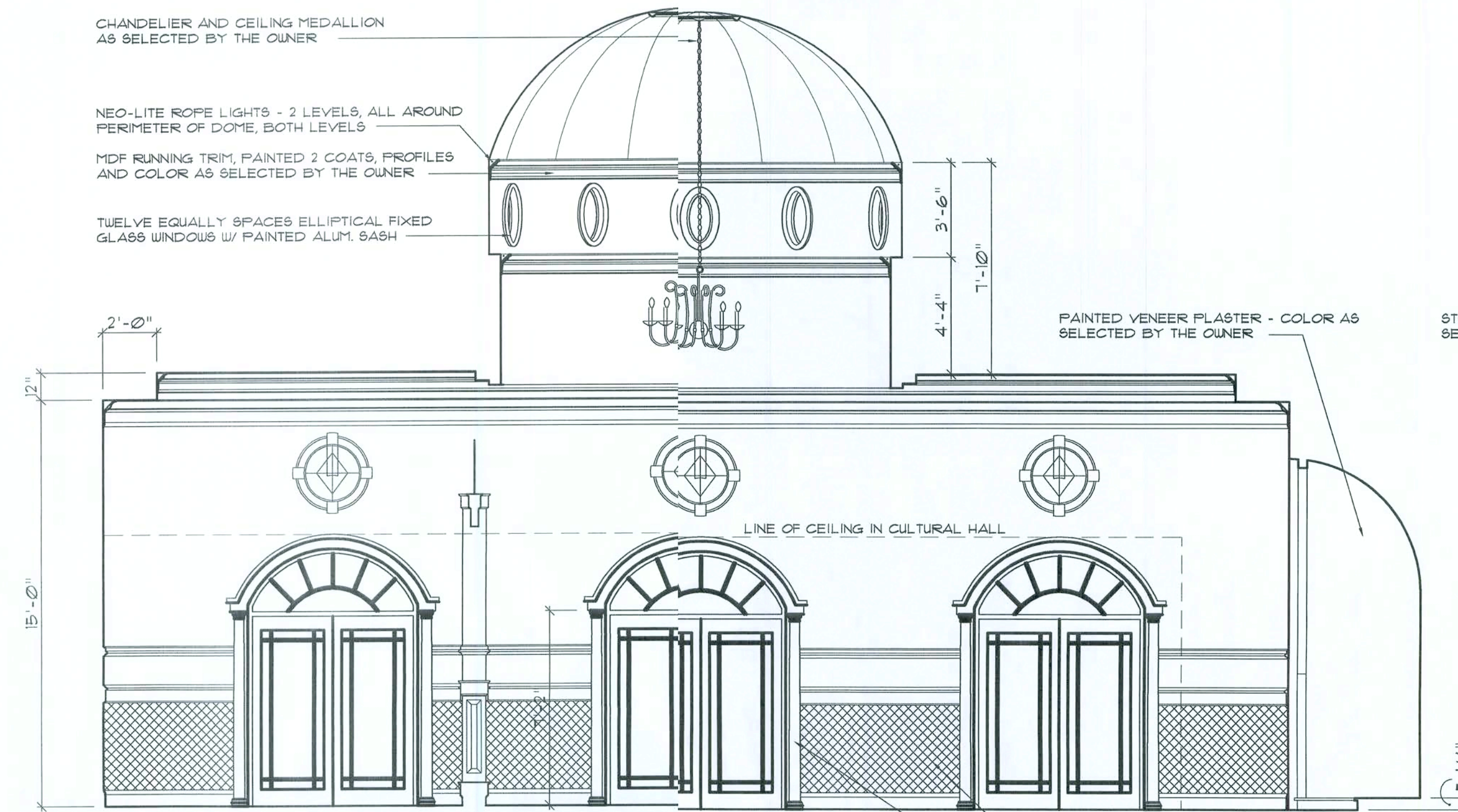
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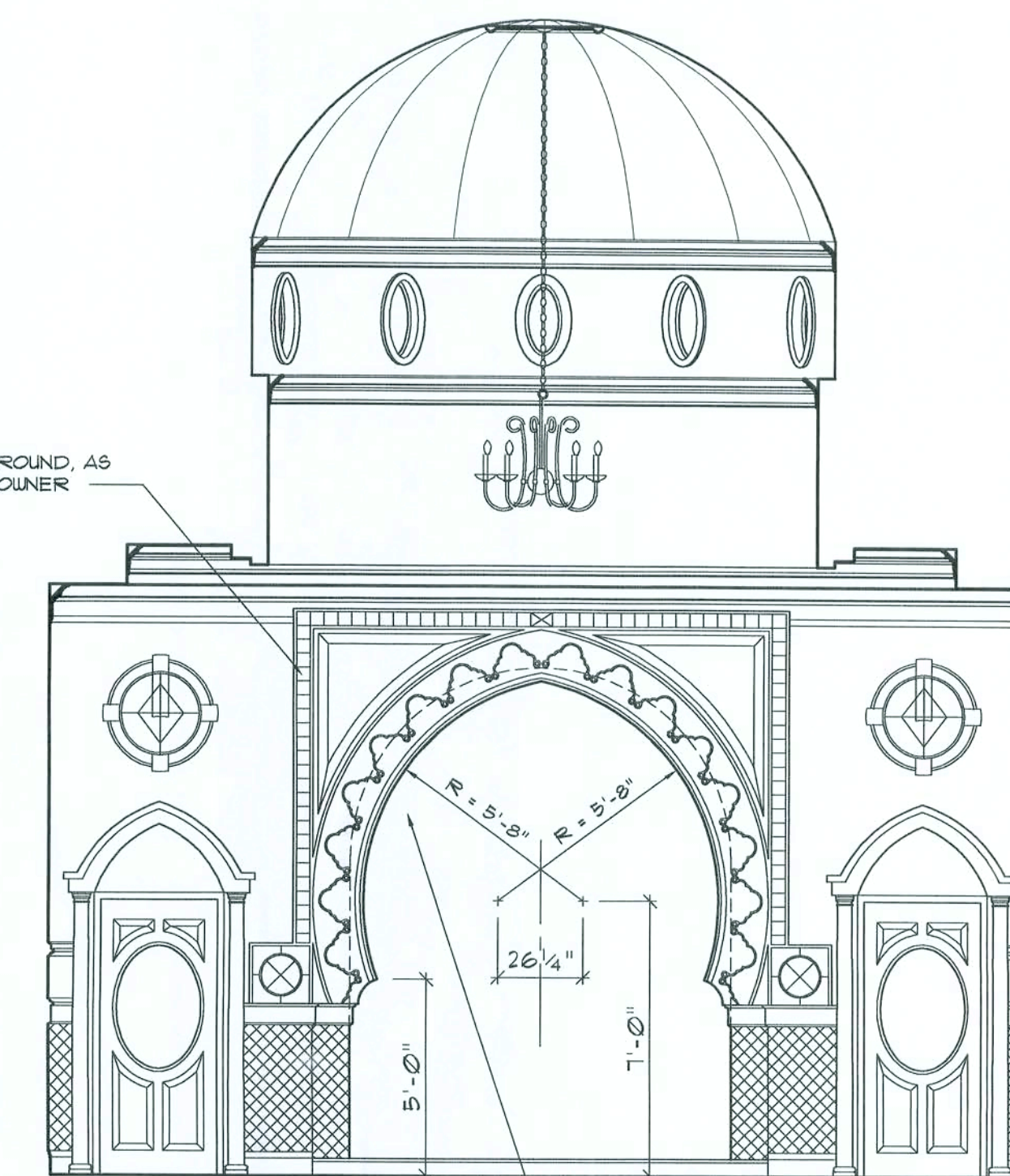
Women's Prayer Room
SW ELEVATION

SCALE: 1/4" = 1'-0"



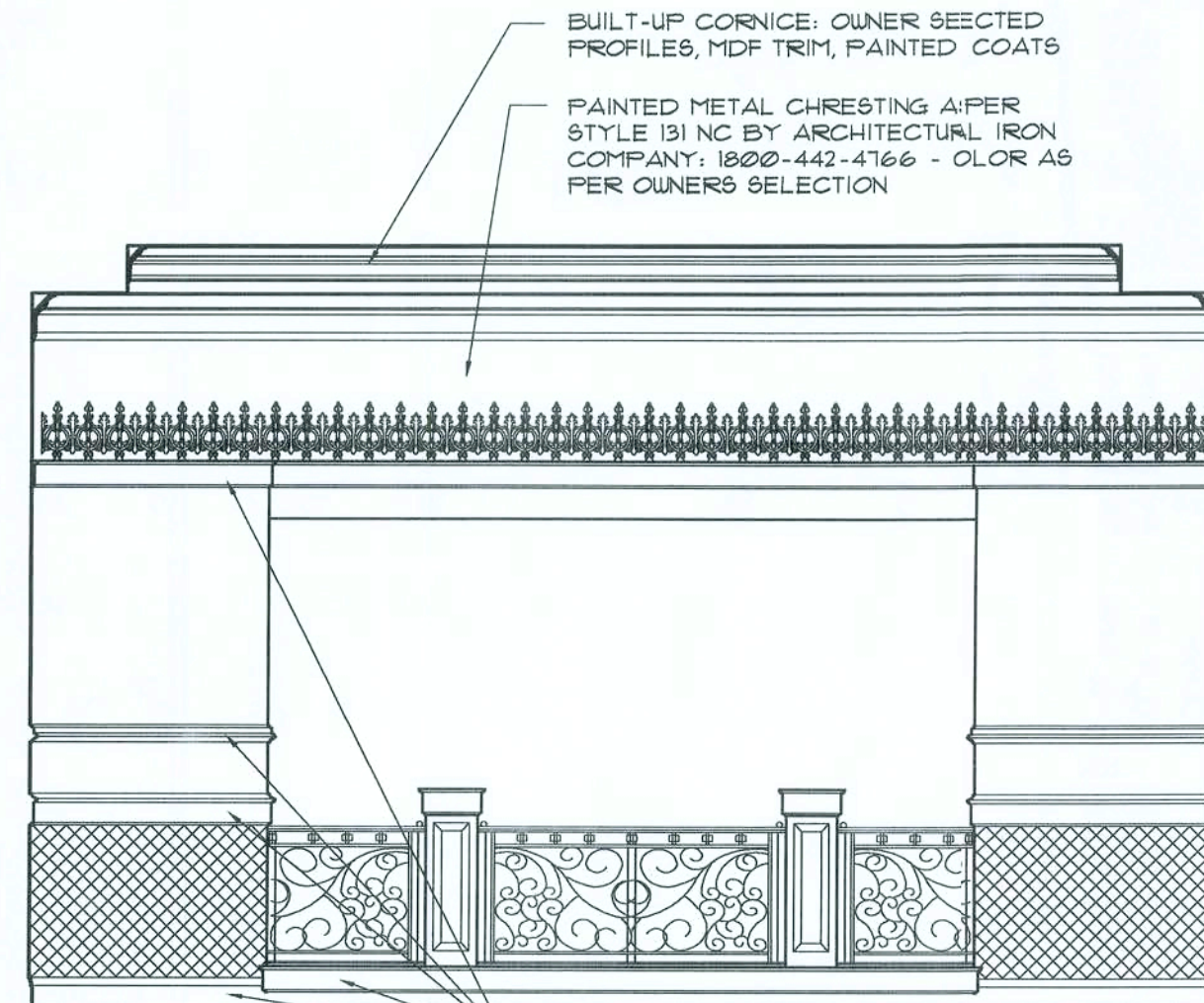
Prayer Room
NW ELEVATION

SCALE: 1/4" = 1'-0"



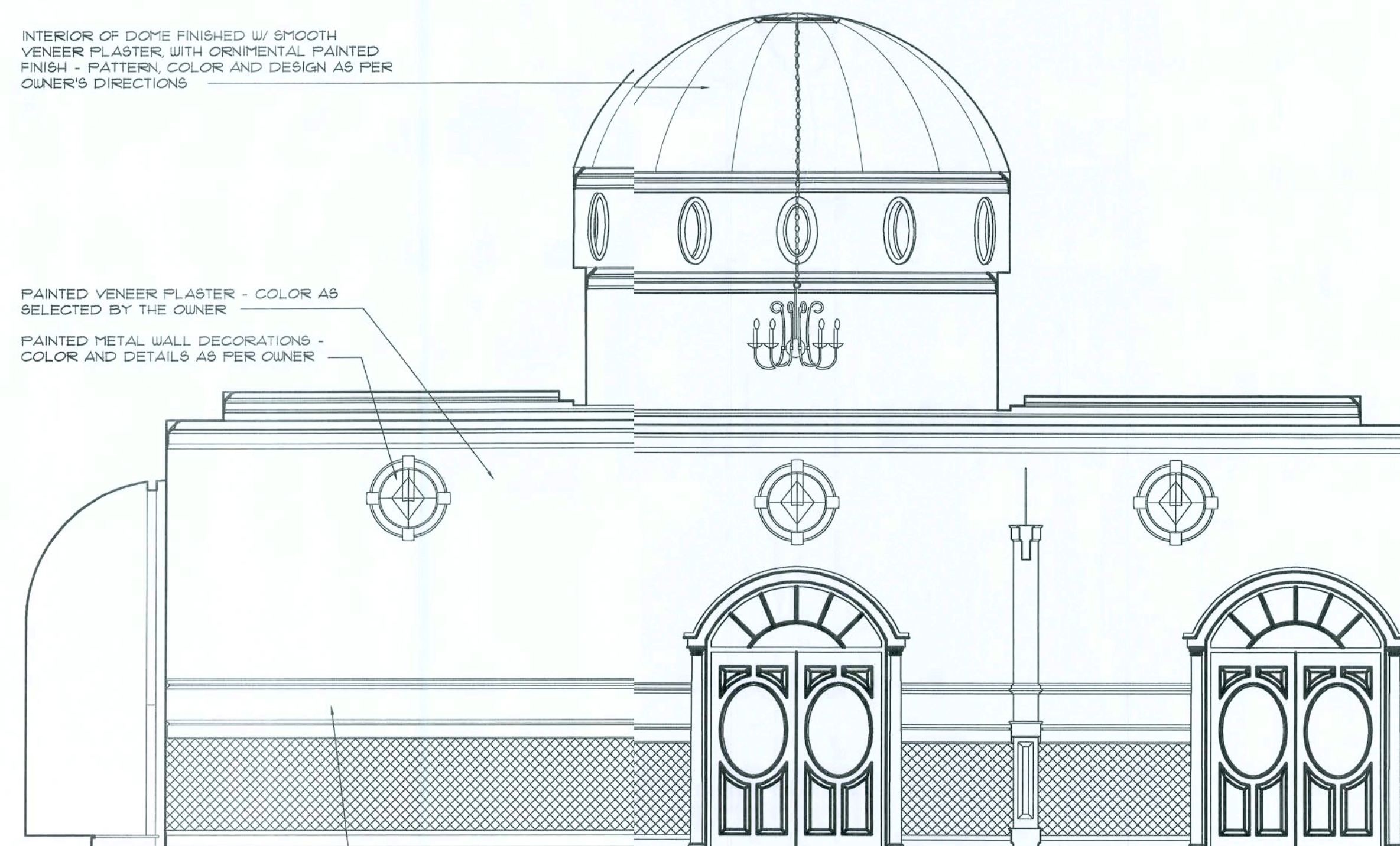
Men's Prayer Room
NE ELEVATION

SCALE: 1/4" = 1'-0"



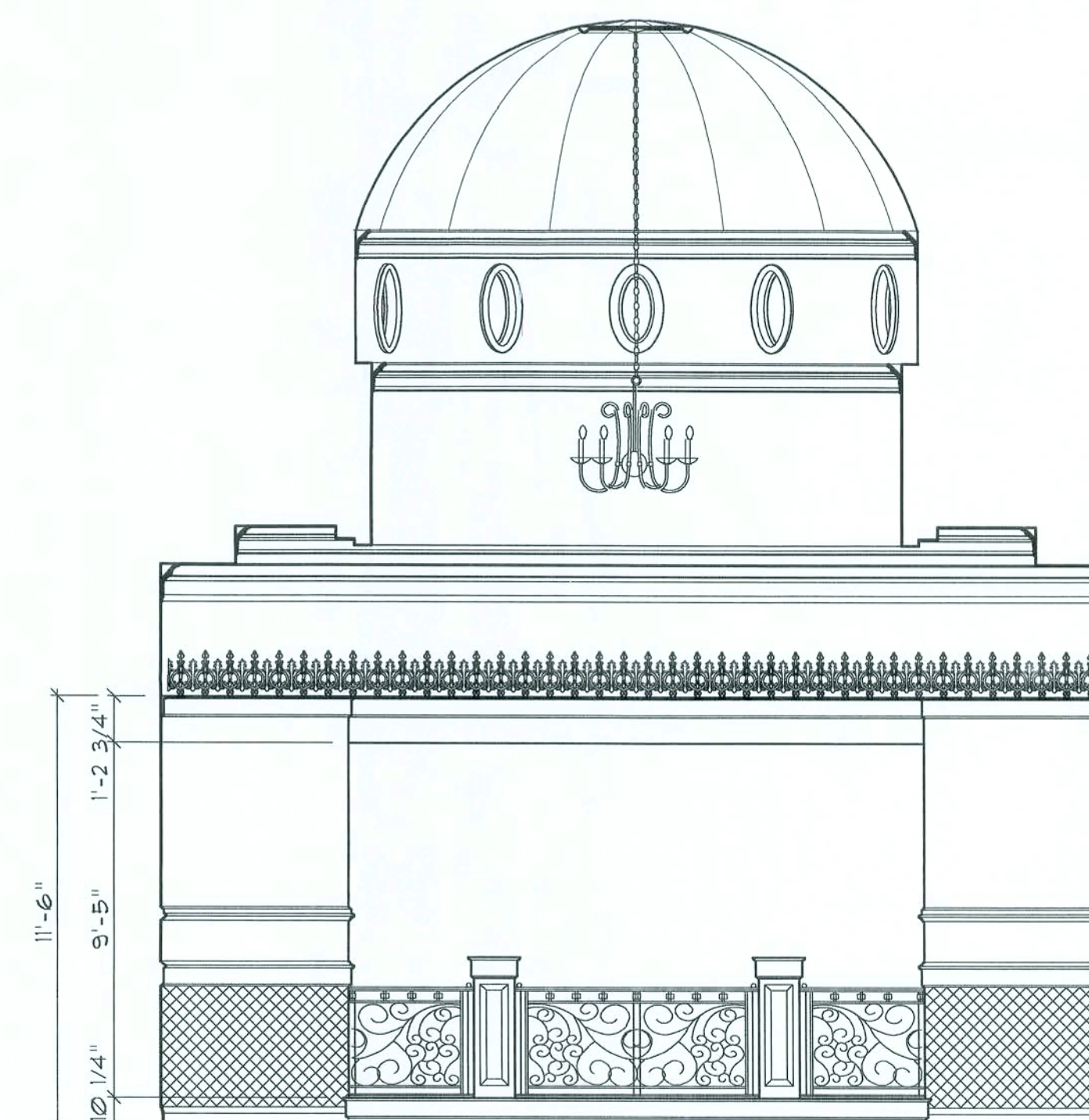
Women's Prayer Room
NE ELEVATION

SCALE: 1/4" = 1'-0"



Prayer Room
NW ELEVATION

SCALE: 1/4" = 1'-0"



Men's Prayer Room
SW ELEVATION

SCALE: 1/4" = 1'-0"

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NEW MOSQUE FOR:
ISLAMIC CENTER OF LAKE CITY
COLUMBIA COUNTY, FLORIDA

NICHOLAS PAUL GESLER
ARCHITECT
1758 NW Brown Rd.
Sarasota, FL 34236
941-555-8021

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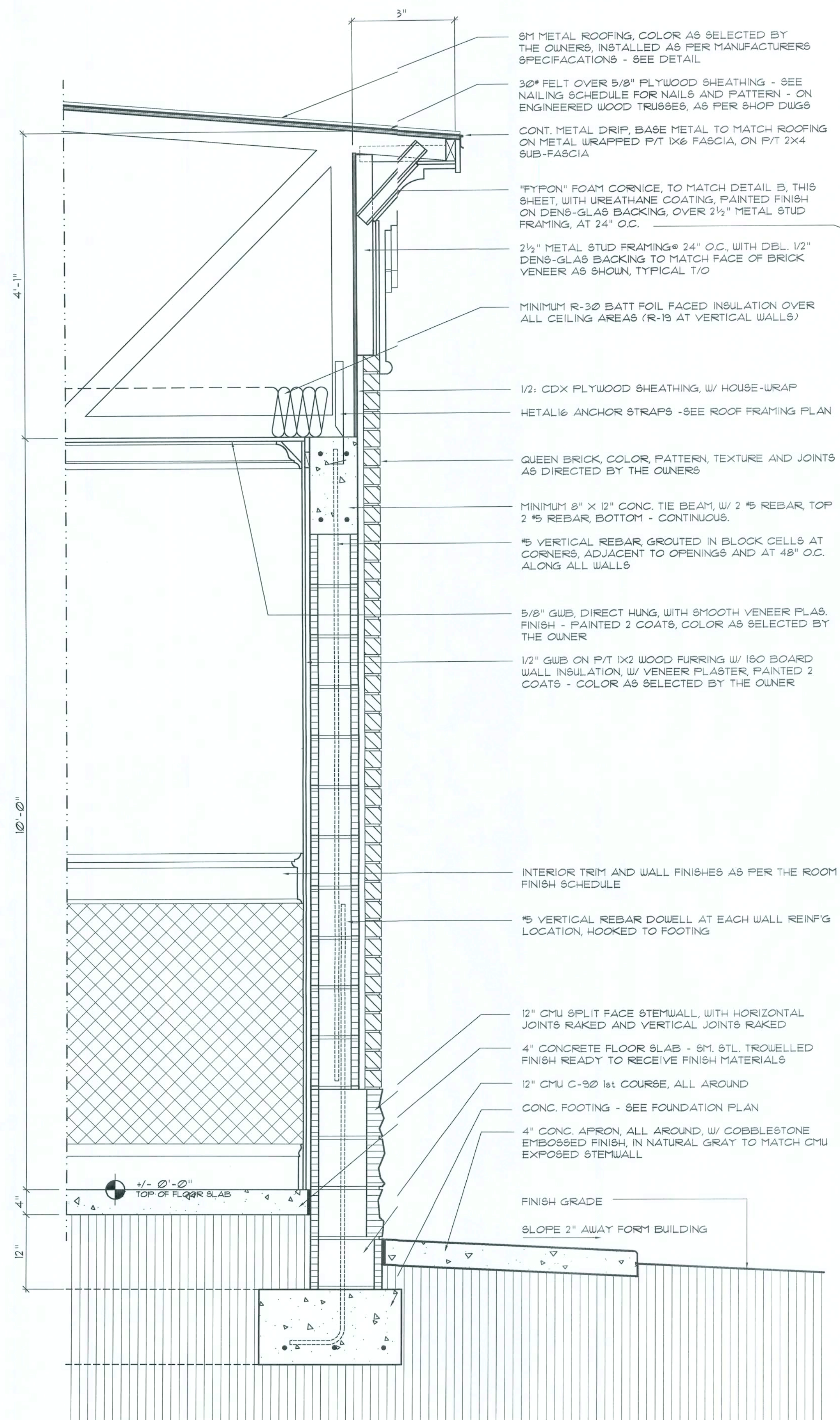
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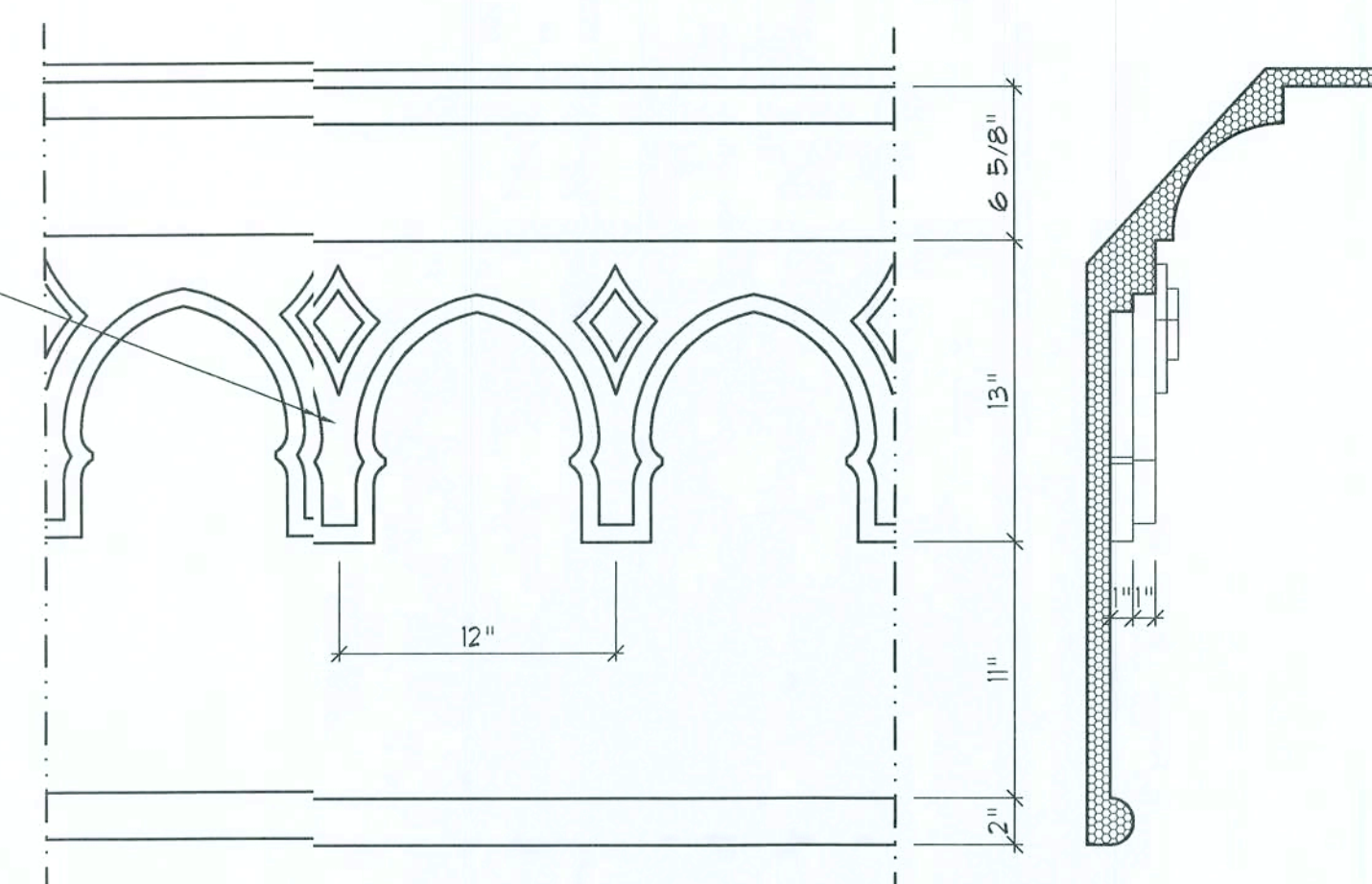
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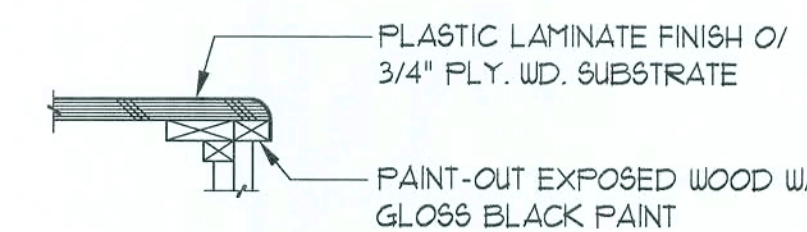


Typical Wall SECTION

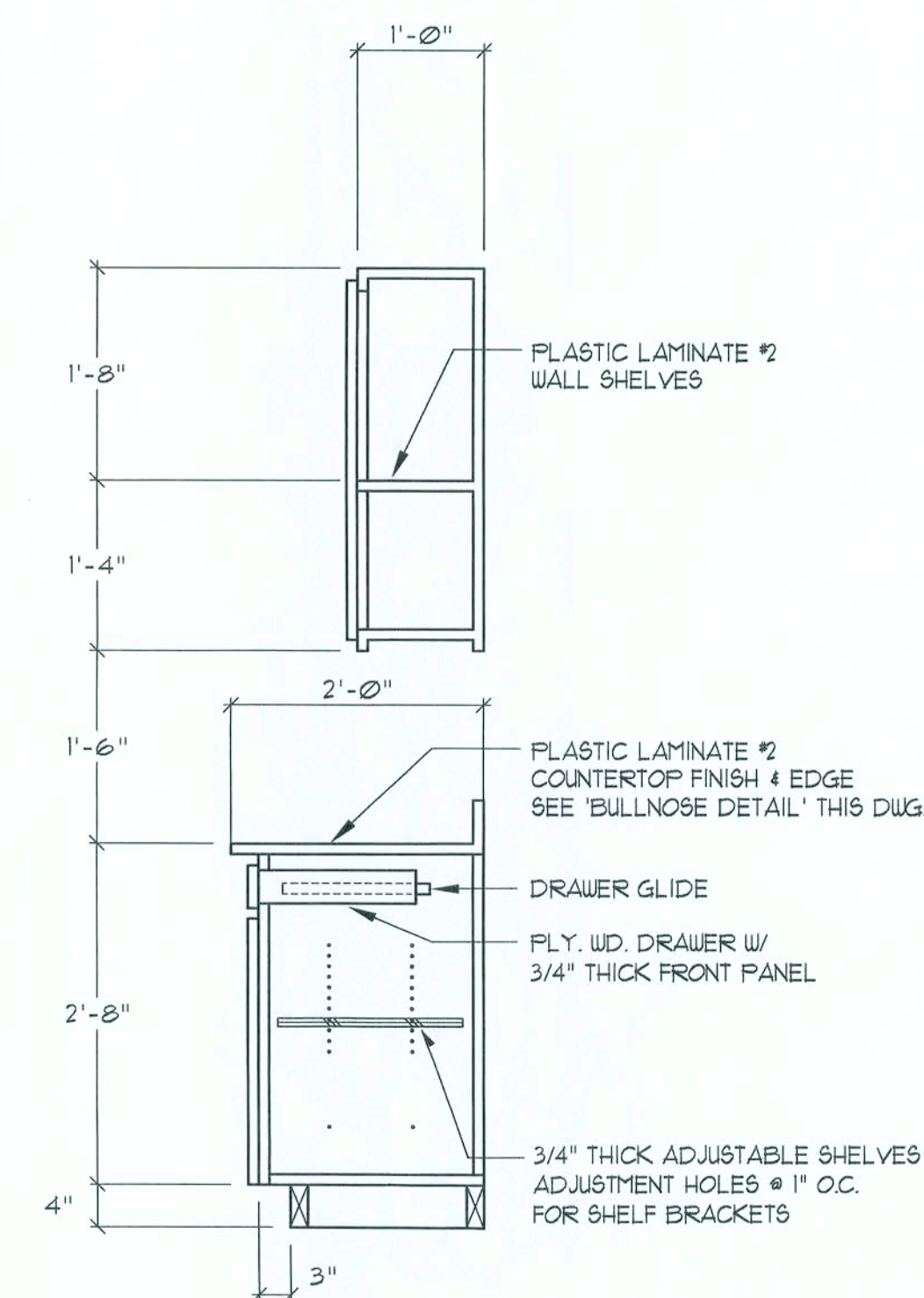


Frieze DETAIL

SCALE: 1 1/2" = 1'-0"



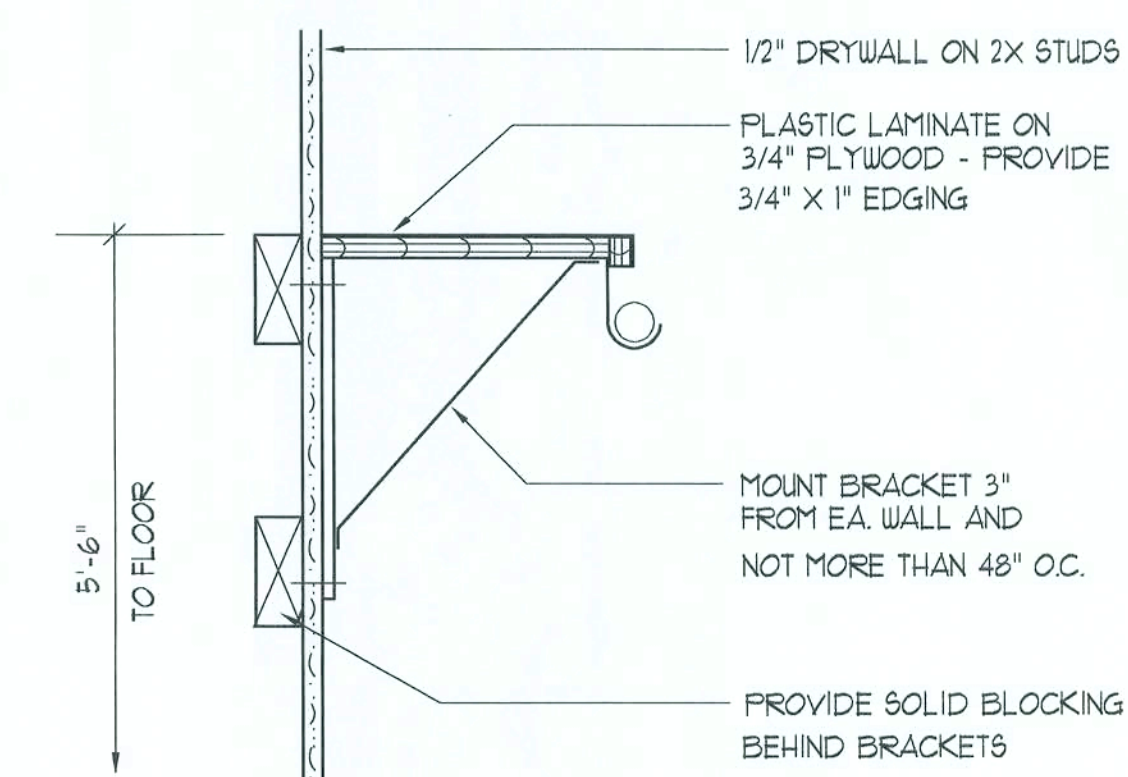
—BULLNOSE DETAIL:



Typ. SECTION

SCALE 3/4" = 1'-0"

©



Closet Rod & Shelf Detail

SCALE: NONE

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J.P. Geisler Architect

DEADLINE:

npg

NEW MOSQUE for:
ISLAMIC CENTER of LAKE CITY
COLUMBIA COUNTY, FLORIDA

NG

**NICHOLAS
PAUL
GEISLER
ARCHITECT**

1758 NW Brown Rd.
Ft. Lauderdale, FL 33305
City

DATE: _____

17 DEC 2005

COMME

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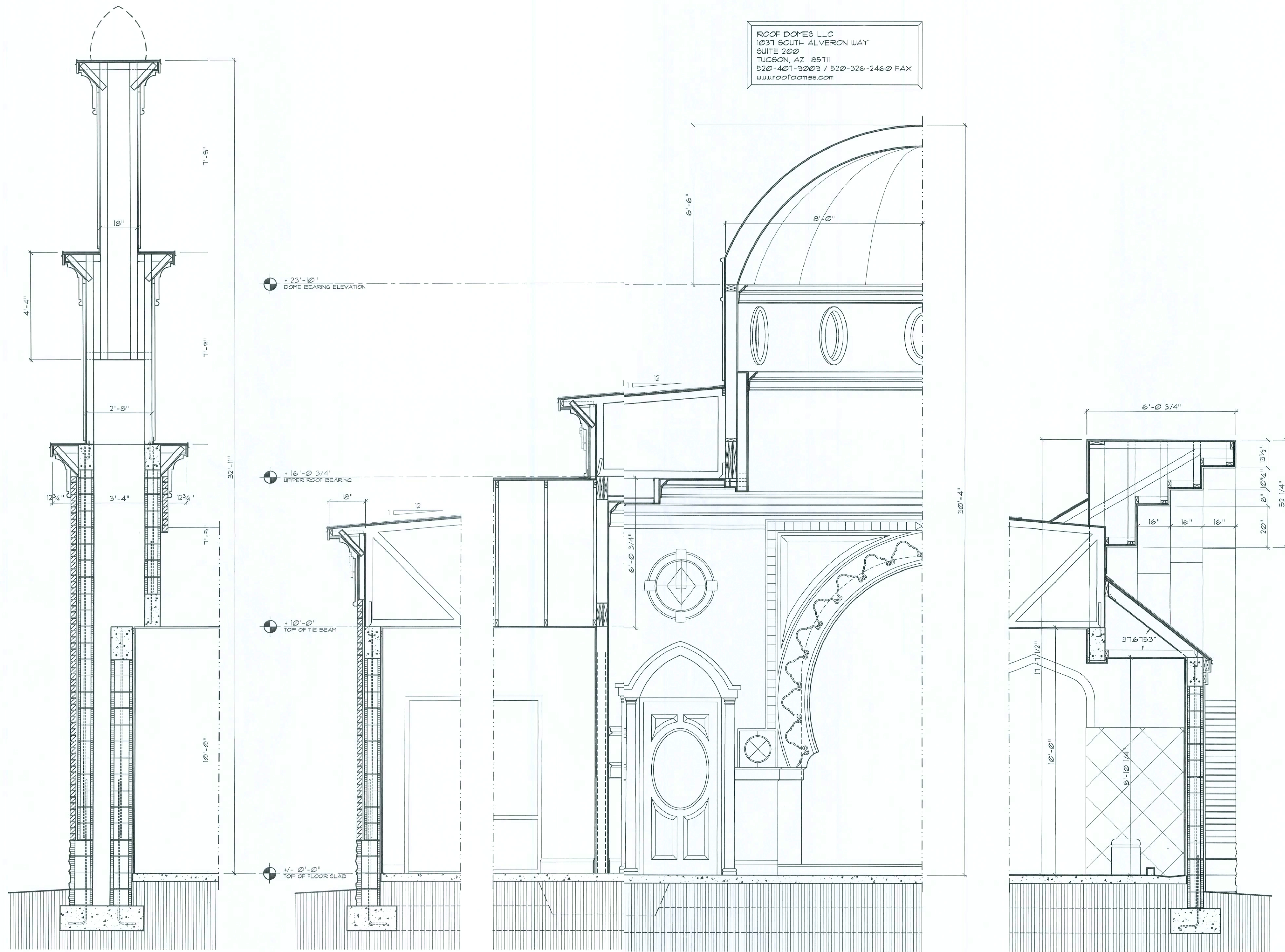
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3 OF 24

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Partial Building SECTION
SCALE: 1/2" = 1'-0"



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NEW MOSQUE FOR:
ISLAMIC CENTER OF LAKE CITY
COLUMBIA COUNTY, FLORIDA

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Columbia, SC 29205
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21 DEC 2005

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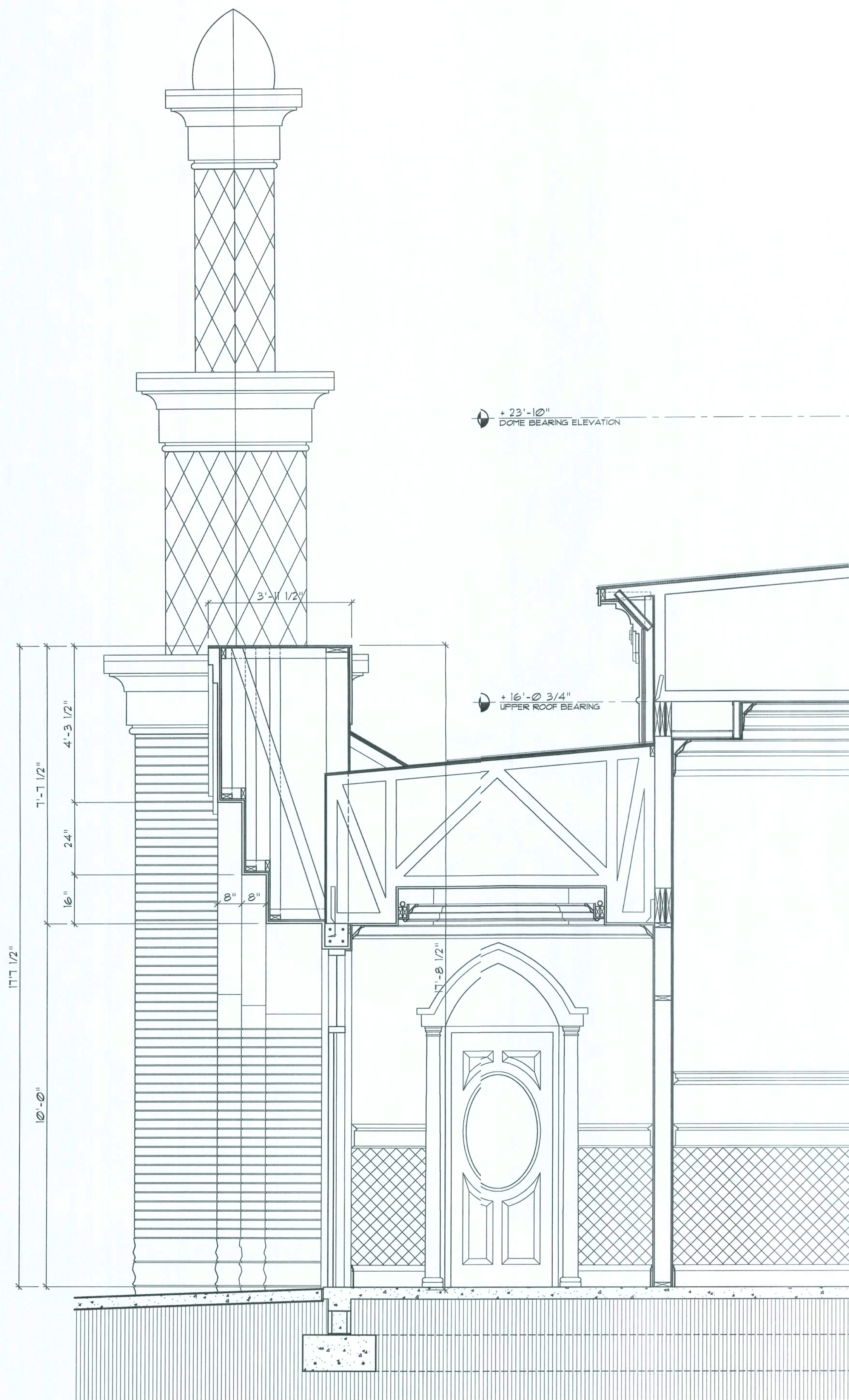
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9 OF 24

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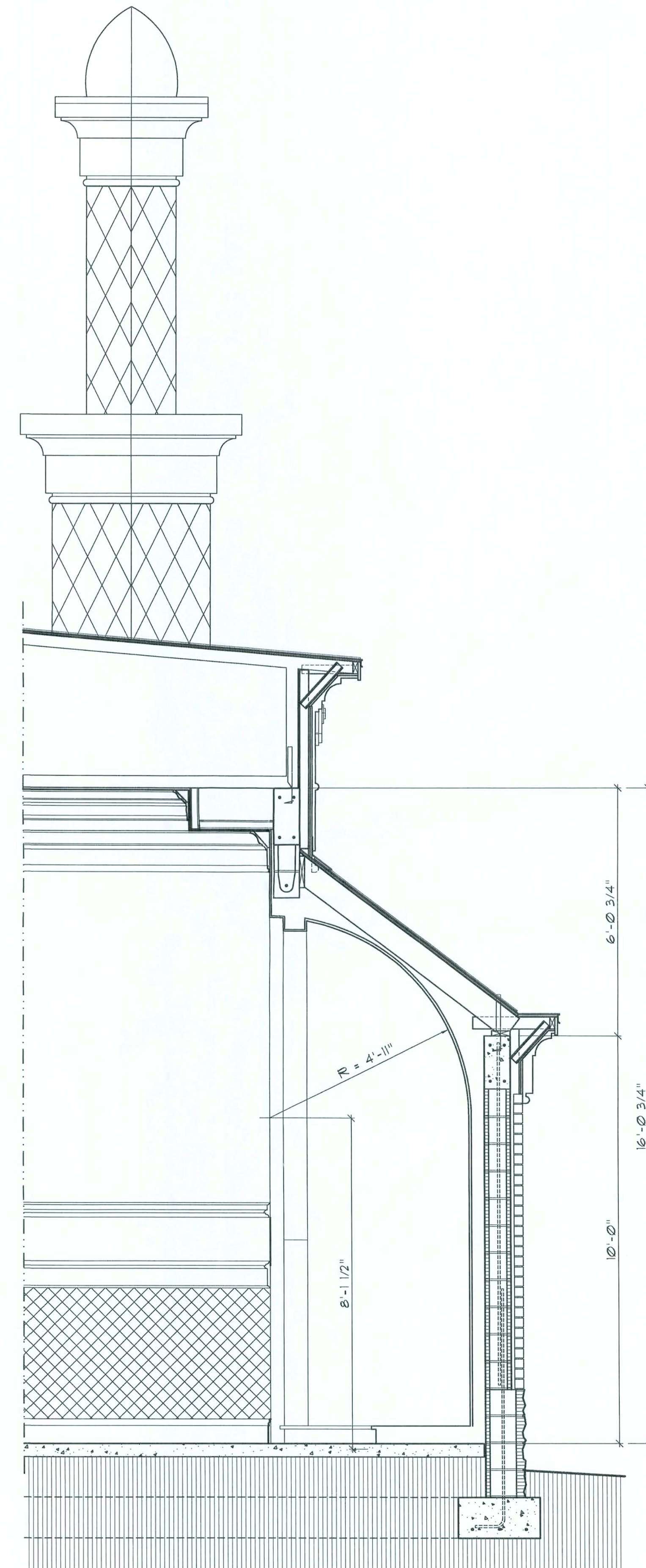
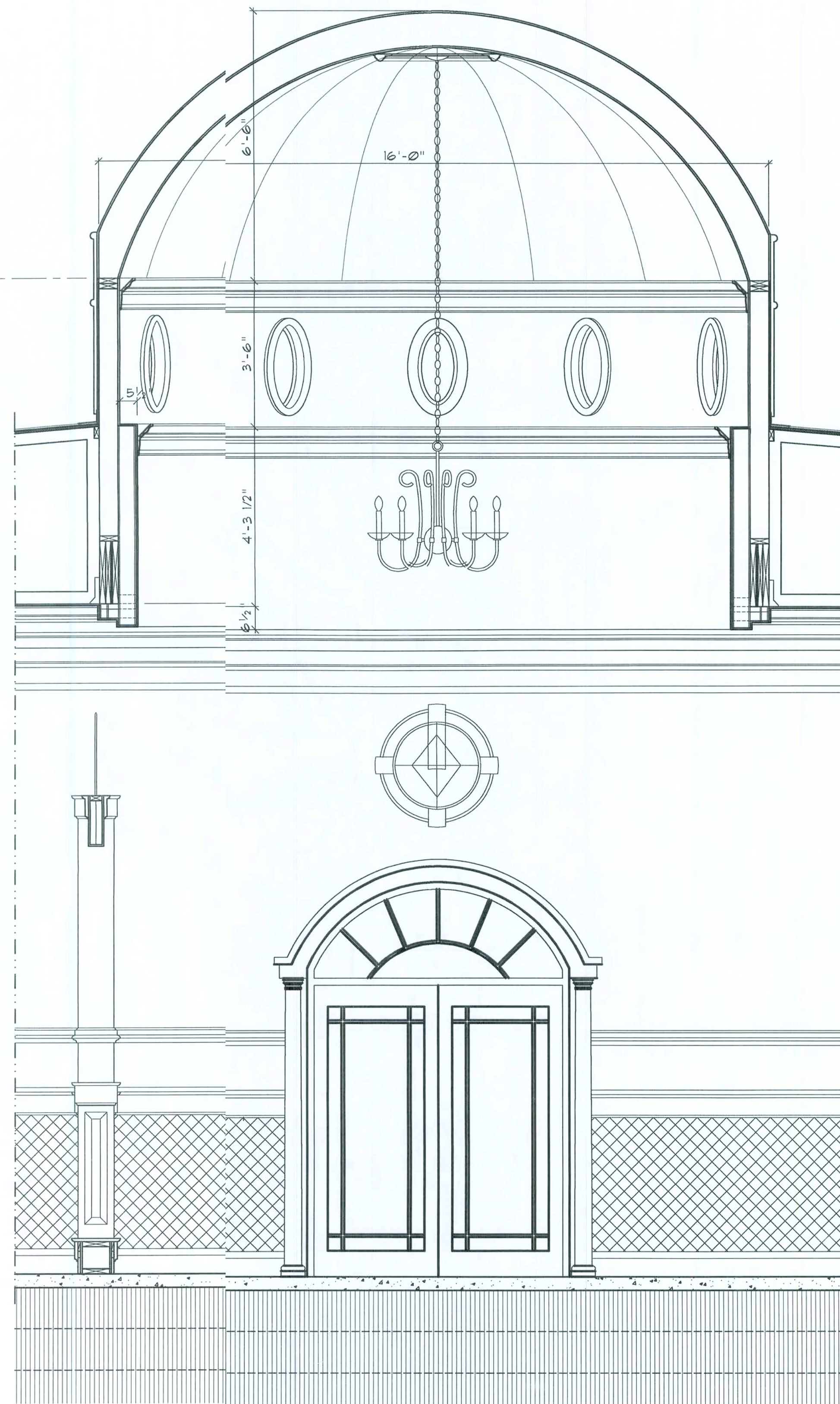
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Partial Building SECTION

SCALE: 1/2" = 1'-0"

B



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NEW MOSQUE FOR:
ISLAMIC CENTER OF LAKE CITY
COLUMBIA COUNTY, FLORIDA

NP
NICHOLAS
PAUL
GEISLER
ARCHITECT
N.C. ARCHT. 00000001

DATE:

21 DEC 2005

COMM:

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SHEET:

A.10

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SUMMARY

REFER TO MAIN TEXT FOR EXPANDED NOTES

CONCRETE / MASONRY / METALS GENERAL NOTES:

- DESIGN SOIL BEARING PRESSURE: 1000 PSF.
- EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- CLEAN SAND FILL OVER LIFTS AND COMPACTED EXISTING GD SHALL BE PLACED IN 12" LIFTS, BOTH SUB-SOIL AND FILL COMPACTION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 2500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
- REINFORCING STEEL SHALL BE GRADE 40 AND MEET THE REQUIREMENTS OF ASTM A63, ALL BENDS SHALL BE MADE COLD.
- WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 85 KSI.
- CONCRETE SHALL BE STANDARD MIX F'C = 2500 PSI FOR ALL FTG. SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F'C = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 CONSTRUCTION WITH MEDIUM SURFACE FINISH - F'm = 1500 PSI.
- MORTAR SHALL BE TYPE "M" OR "S" FOR ALL MASONRY UNITS.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH. BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.

WOOD STRUCTURAL NOTES:

- TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES OF THE "TRUSS PLATE INSTITUTE".
- ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER & SHALL BE SIGNED AND SEALED BY SAME. TRUSS DESIGN SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE "TRUSS PLATE INSTITUTE".
- WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN N-2 HEM-FIR OR BETTER.
- CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED METAL OR BLACK METAL AS MANUFACTURED OR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTEND. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CONNECTIONS.

GENERAL STRUCTURAL NOTES

GENERAL:

- THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, DESIGN AND EXTENT OF THE WORK AND ARE PARTIALLY DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MEASUREMENTS, OR TO SERVE AS SHOP DRAWINGS OR PORTIONS THEREOF.
- ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL OR SECTION IS SHOWN.
- PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR AND ALL THE SUBCONTRACTORS SHALL VERIFY ALL GRADES, LINES, LEVELS, DIMENSIONS AND COORDINATE EXISTING CONDITIONS AT THE JOB SITE WITH THE PLANS AND SPECIFICATIONS. THEY SHALL REPORT ANY INCONSISTENCIES OR ERRORS IN THE ABOVE TO THE ARCHITECT/ENGINEER BEFORE COMMENCING WORK. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL LAY OUT THEIR WORK FROM ESTABLISHED REFERENCE POINTS AND BE RESPONSIBLE FOR ALL LINES, ELEVATIONS AND MEASUREMENTS IN CONNECTION WITH THEIR WORK.
- IF ANY ERRORS OR OMISSIONS APPEAR IN THE DRAWINGS, GENERAL NOTES OR OTHER DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF SUCH OMISSION OR ERROR PRIOR TO PROCEEDING WITH ANY WORK WHICH APPEARS IN QUESTION. IN THE EVENT OF THE CONTRACTOR'S FAILING TO GIVE SUCH AN ADVANCED NOTICE, HE SHALL BE HELD RESPONSIBLE FOR THE RESULTS OF ANY SUCH ERRORS OR OMISSIONS AND THE COST OF RECTIFYING THE SAME.
- THE CONTRACTOR SHALL USE THE STRUCTURAL DRAWINGS AND SPECIFICATIONS TOGETHER WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER TRADE DRAWINGS AND SHOP DRAWINGS, TO LOCATE, DEPRESSURE SLABS, SLOPE DRAINS, OUTLETS, RECESSES, OPENINGS, BOLT SETTING, SLEEVES, DIMENSIONS, ETC. NOTIFY ARCHITECT/ENGINEER IN WRITING, OF ANY POTENTIAL CONFLICTS BEFORE PROCEEDING WITH THE WORK.

SHOP DRAWINGS AND DELEGATED ENGINEERING:

- ALL SHOP DRAWINGS SHALL BE SUBMITTED FOR ENGINEER'S REVIEW ONLY AFTER THEY HAVE BEEN THOROUGHLY REVIEWED BY THE CONTRACTOR FOR CONSTRUCTION METHODS, DIMENSIONS AND OTHER TRADE REQUIREMENTS, AND STAMPED WITH THE CONTRACTOR'S APPROVAL STAMP. THE ARCHITECT ASSUMES NO LIABILITY FOR THE DIMENSIONS, QUANTITIES, ENGINEERING DESIGN BY DELEGATED ENGINEERS, ERRORS OR OMISSIONS AS A RESULT OF REVIEWING ANY SHOP DRAWINGS. ANY ERRORS OR OMISSIONS MUST BE MADE GOOD BY THE CONTRACTOR, IRRESPECTIVE OF RECEIPT, CHECKING OR REVIEW OF DRAWINGS BY THE ARCHITECT AND EVEN THOUGH WORK IS DONE IN ACCORDANCE WITH SUCH DRAWINGS.
- BEFORE STRUCTURAL INSPECTIONS CAN BE MADE ON A PORTION OF THE STRUCTURE, ALL RELATED SHOP DRAWINGS, DELEGATED ENGINEERING, PRODUCT APPROVALS, MANUFACTURER'S DATA AND OTHER RELATED INFORMATION, MUST BE REVIEWED AND ACCEPTED BY THE ARCHITECT-OF-RECORD AND APPROVED BY THE BUILDING DEPARTMENT.
- SHOP DRAWINGS SHALL CONTAIN ALL INFORMATION SHOWN ON THE STRUCTURAL PLANS (RELATED TO THE DELEGATED DESIGN) INCLUDING ALL DESIGN LOADS, IN ADDITION TO THE INFORMATION REQUIRED BY THE DELEGATED ENGINEER'S DESIGN.
- A/E WILL REVIEW ALL SUBMITTED SHOP DRAWINGS, PREPARED AND SIGNED AND SEALED BY THE CONTRACTOR'S DELEGATED ENGINEER, ONLY FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT, REQUIRED LOADING AND COORDINATION WITH THE STRUCTURAL DESIGN.
- CONTRACTOR SHALL SUBMIT TO THE A/E ONLY ONE SET OF SEPIA AND TWO SETS OF BLUE PRINTS OF THE STRUCTURAL SHOP DRAWINGS FOR A/E REVIEW BEFORE STARTING FABRICATION. THE A/E WILL RETURN THE MARKED-UP AND STAMPED SEPIA TO THE CONTRACTOR. THESE SEPIA COPIES SHALL BE USED TO MAKE THE PRINTS REQUIRED FOR SHOP DRAWING DISTRIBUTION. SETS OF BLUE PRINTS (WITHOUT SEPIA) WILL NOT BE ACCEPTED.

CONSTRUCTION MEANS AND METHODS:

- THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE OR PROCEDURES, SAFETY PRECAUTIONS, SHORES, RE-SHORES, LATERAL BRACING AND PROGRAMS IN CONNECTION WITH THE PROJECT, ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. OUR SERVICES DO NOT GUARANTEE NOR ASSURE LIABILITY FOR THE JOB SAFETY, TEMPORARY SHORING AND BRACING AND THE PERFORMANCE OF THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE AND SHALL COMPLY WITH THE SAFETY REQUIREMENTS OF THE STANDARD BUILDING CODE AND APPLICABLE LOCAL, STATE AND FEDERAL LAWS.
- PROVIDE ALL SHORING, BRACING AND SHEETING AS REQUIRED FOR SAFETY, STRUCTURAL STABILITY AND FOR THE PROPER EXECUTION OF THE WORK. REMOVE WHEN WORK IS COMPLETED.
- PROVIDE AND MAINTAIN GUARD LIGHTS AT ALL BARRICADES, RAILINGS, OBSTRUCTIONS IN THE STREETS, ROADS OR SIDEWALKS AND ALL TRENCHES OR PITS ADJACENT TO PUBLIC WALKS OR ROADS.
- AT ALL TIMES, PROVIDE PROTECTION AGAINST WEATHER (RAIN, WIND, STORMS OR THE SUN), SO AS TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FREE FROM INJURY OR DAMAGE.
- AT THE END OF THE DAY'S WORK, COVER ALL WORK LIKELY TO BE DAMAGED. ANY WORK DAMAGED BY FAILURE TO PROVIDE PROTECTION SHALL BE REMOVED AND REPLACED WITH NEW WORK AT THE CONTRACTOR'S EXPENSE.

STRUCTURAL DESIGN CRITERIA:

- THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE - 2024 EDITION AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.
- WIND LOAD CRITERIA:

BASED ON 2024 FBC 1603 BASIC WIND VELOCITY 110 MPH.

- ROOF DESIGN LOADS:
COMPOSITE DEAD LOADS: 15 PSF
SUPERIMPOSED LIVE LOADS: 30 PSF
- FLOOR DESIGN LOADS:
COMPOSITE DEAD LOADS: 25 PSF
SUPERIMPOSED LIVE LOADS:
GENERAL: 40 PSF
MECHANICAL LOFT: 60 PSF

- WIND NET UPLIFT: ARE AS INDICATED ON PLANS

FOUNDATIONS: (SPREAD FOOTINGS)

- FOUNDATIONS ARE DESIGNED TO BEAR ON WELL COMPACTED GRADE OR CLEAN FILL OF AN ALLOWABLE BEARING CAPACITY OF 1000 PSF MINIMUM. A CERTIFIED TESTING LABORATORY SHALL BE ENGAGED BY THE OWNER TO VERIFY THAT THE REQUIRED BEARING CAPACITY WAS OBTAINED. SAID SOIL CAPACITY SHALL BE CERTIFIED AND TESTED BY A FLORIDA REGISTERED FOUNDATION ENGINEER, PRIOR TO CASTING OF CONCRETE IN THE FOOTINGS.
- NATURAL GRADE (OR FILL) BELOW FOOTINGS SHALL BE COMPACTED TO 98 % MODIFIED PROCTOR (ASTM D-1557).

- TOP OF WALL FOOTINGS TO BE AT THE SAME ELEVATION AS TOP OF COLUMN PAD FOOTINGS. STEP WALL FOOTING FROM HIGHER COLUMN FOOTING TO THE LOWER ONE (AS DETAILED ON THE PLANS).
- TOP OF ALL FOOTINGS TO BE A MINIMUM 1'-4" BELOW THE TOP OF CONCRETE SLAB ON GRADE (UNLESS OTHERWISE NOTED) OR MINIMUM 1'-0" BELOW FINISHED GRADE, WHICHEVER IS LOWER. IN THE EVENT THAT THE SLAB STEPS ON EACH SIDE OF THE FOOTING, THE FOOTING SHALL BE 1'-4" BELOW TOP OF THE LOWER SLAB.
- REINFORCING IN THE CONTINUOUS WALL FOOTINGS (MONOLITHIC AND NON-MONOLITHIC) SHALL BE SPLICED 36 BAR DIAMETERS MINIMUM AND SHALL EXTEND CONTINUOUSLY THRU ALL FOOTING PADS.
- ALL LONGITUDINAL REBARS IN THE CONTINUOUS WALL FOOTINGS, SHALL BE CONTINUED AT BENTS AND CORNERS BY BENDING THE REBARS 48 BAR DIAMETERS AROUND THE CORNERS OR ADDING MATCHING CORNER BARS, EXTENDING 48 BAR DIAMETERS INTO FOOTING EACH SIDE OF CORNER OR BENT.
- ALL FOOTINGS SHALL BE 12" MINIMUM THICKNESS, U.N.O.

CONCRETE SLABS ON GRADE:

- ALL INTERIOR AND EXTERIOR SLABS AND WALKWAYS AS SHOWN ON THE STRUCTURAL OR ARCHITECTURAL PLANS, SHALL BE FOUR INCHES THICK MINIMUM REINFORCED WITH 6 X 6 - W4 X W4 WELDED WIRE FABRIC (UNLESS OTHERWISE NOTED).
- ALL SLABS ON GRADE TO BE CONSTRUCTED IN ACCORDANCE WITH LATEST ACI 308 - "GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION" (ACI - 302.1R)
- JOINTS SHALL BE PROVIDED IN ALL INTERIOR SLABS ON GRADE AT COLUMN CENTER-LINES DIVIDING THE SLAB INTO SQUARE PANELS NOT TO EXCEED 20' X 20' FT. IN SIZE. CAST SLAB IN LONG ALTERNATE STRIPS. PROVIDE A CONTRACTION JOINT BETWEEN EACH STRIP. SEE PLAN FOR SAW-CUT, CONTRACTION AND ISOLATION JOINT DETAILS.
- PROVIDE SAW-CUT JOINTS AT ALL SIDEWALKS AT A MAXIMUM SPACING OF FIVE FEET ON CENTERS AND ISOLATION JOINTS AT 20 FEET O.C. (U.O.N.)
- FILL MATERIAL SHALL BE PROVIDED IN ALL INTERIOR SLABS NOT EXCEEDING 12" AND COMPACTED TO 98 % MODIFIED PROCTOR (ASTM D-1557) EXTENDING A DISTANCE OF FIVE FEET BEYOND ALL FOOTING EDGES. TAKE AT LEAST ONE DENSITY TEST FOR EACH 1500 SQFT. OF AREA AND 12" BELOW SURFACE. SEND RESULTS OF THE TEST TO OWNER, ARCHITECT (AND ENGINEER).

CONCRETE AND REINFORCING:

- CONCRETE DESIGN AND REINFORCEMENT IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318 - LATEST EDITION) AND WITH "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" - (ACI, 315 - LATEST EDITION).
- ALL CONCRETE WORK IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301 - LATEST EDITION). PRODUCTION OF CONCRETE, DELIVERY, PLACING AND CURING TO BE IN ACCORDANCE WITH "HOT WEATHER CONCRETING" (ACI, 305R - LATEST EDITION).
- ALL CONCRETE TO BE REGULAR WEIGHT WITH A DESIGN STRENGTH OF 2500 P.S.I. AT 28 DAYS. MAXIMUM SLUMP 5".
- ALL REINFORCING TO BE NEW BILLET STEEL CONFORMING TO THE LATEST ASTM A-618 GRADE 40, FABRICATED IN ACCORDANCE WITH CR-61. MANUAL OF STANDARD PRACTICE AND PLACED IN ACCORDANCE WITH ACI 318 AND CR-61. MANUAL OF STANDARD PRACTICE.
- CONCRETE COVER UNLESS OTHERWISE DETAILED ON DRAWINGS:

FOOTINGS: (BOTTOM) 3"
(TOP & SIDES) 2"

SLABS ON GRADE: CENTERED W/SLAB

COLUMNS AND BEAMS: (TO THE TIES) 1-1/2"

- COLUMN REINFORCEMENT: DOUELS TO BE SAME SIZE AND NUMBER AS VERTICAL REBARS ABOVE. LAP 36 BAR DIAMETER OR MINIMUM OF 18 INCHES U.O.N. PROVIDE RIGID TEMPLATES FOR DOUEL LOCATION. PROVIDE STANDARD HOOKS AT TOP OF ALL VERTICAL REINFORCEMENT AT NONCONTINUOUS COLUMNS (U.O.N.).
- ALL DOUELS FOR COLUMNS SHALL BE SECURED IN POSITION PRIOR TO POURING OF CONCRETE. PUSHING THE DOUELS INTO POSITION IN WET CONCRETE IS NOT PERMITTED.
- BEAM REINFORCEMENT: LAPPED 36 BAR DIAMETER OR MINIMUM 18 INCHES. BOTTOM TENSION BARS SPLICED ONLY AT SUPPORTS, TOP BARS SPLICED ONLY AT MID-SPAN. ALL TOP BARS HOOKED AT NONCONTINUOUS EDGES (U.O.N.) ALL HOOKS TO BE STANDARD 90 DEGREE HOOKS AS REQUIRED (U.O.N.).
- ADDED REINFORCEMENT: PROVIDE ADDITIONAL CORNER BARS BENT 36 INCHES MINIMUM EACH WAY AT "L" AND "T" CORNERS IN OUTER FACES OF ALL BEAMS TO MATCH ALL HORIZONTAL BAR (TOP, BOTTOM AND INTERMEDIATE) REBARS.
- SEE PLAN FOR MINIMUM SIZE CONCRETE TIE BEAM REQUIREMENTS.

REINFORCED MASONRY WALLS:

- HOLLOW LOAD-BEARING MASONRY UNITS SHALL CONFORM TO ASTM C-90, TYPE I, GRADE N, SQUARE END, WITH A MINIMUM AVERAGE COMPRESSIVE STRENGTH ON NET AREA OF F'm=1500 (PSI). CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 530.1 SPECIFICATIONS.
- SPECIAL INSPECTOR SERVICES ARE REQUIRED FOR ALL REINFORCED MASONRY CONSTRUCTION. THE SPECIAL INSPECTOR SHALL INSPECT THE PLACING OF THE REBARS IN THE CELLS, VERIFY CLEANLINESS OF THE CELLS TO BE GROUTED, AND OBSERVE THE PLACING OF THE GROUT OR CONCRETE INTO THE CELLS.
- MORTAR SHALL CONFORM TO ASTM C-270, TYPE "M" OR "S".
- LAY ALL MASONRY WITH FULL FACE HEAD JOINTS AND WITH FACE SHELL MORTAR BEDDING.
- MASONRY ANCHORAGE TO SUPERSTRUCTURE SHALL BE PROVIDED IN ACCORDANCE WITH STRUCTURAL DRAWINGS AND DETAILS.
- THE USE OF ADMIXTURES SHALL NOT BE PERMITTED WITHOUT PRIOR REVIEW OF THE ENGINEER.

- VERTICAL REINFORCING:
(A) ASTM A-615 PER REINFORCING SECTION.

(B) WHEN A FOUNDATION DOUEL DOES NOT LINE UP WITH A VERTICAL CORE IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL INCH TO SIX INCHES VERTICAL FOR ALIGNMENT, EVEN THOUGH IT IS IN A CELL ADJACENT TO THE VERTICAL WALL REINFORCING.

(C) VERTICAL REINFORCING STEEL SHALL BE PLACED CENTERED IN THE CELL. LAP 48 BAR DIAMETERS. PROVIDE BAR SPACERS AS REQUIRED TO MAINTAIN REINFORCING SECURED IN POSITION.

(D) VERTICAL REINFORCEMENT SHALL BE PROVIDED AT EACH SIDE OF OPENINGS IN WALL AT WALL INTERSECTIONS, CORNERS AND ENDS. THIS REINFORCING SHALL BE THE SAME SIZE AS THE SCHEDULED WALL REINFORCING FOR THE PARTICULAR WALL BUT NEVER LESS THAN A #5 REBAR. SPECIAL CARE SHALL BE TAKEN TO INSURE THAT CELLS TO BE GROUTED LINE UP PROPERLY AND ARE CLEAN OF EXCESS MORTAR.

(E) ALL VERTICAL REINFORCING SHALL BE HOOKED INTO THE BOND BEAMS AT THE NON-CONTINUOUS END OF THE REBARS.

(F) PROVIDE INSPECTION HOLES AT THE BOTTOM OF EACH REINFORCED MASONRY CELL, AS REQUIRED FOR LIFTS HIGHER THAN 5 FT.

HORIZONTAL REINFORCING:

PROVIDE GALVANIZED W GAGE, LADDER TYPE HORIZONTAL JOINT REINFORCING EVERY SECOND BLOCK COURSE (1'-4" O.C. VERTICALLY) LAPPED 1'-1/2". PROVIDE SPECIAL HORIZONTAL REINFORCING AT "I" AND "L" INTERSECTION. ANCHOR TO COLUMNS WITH MINIMUM 4" EXTENSION INTO AREA OF FOUR.

PROVIDE "DOVE-TAIL" ANCHORS AT 16" O.C. VERTICALLY FOR ALL MASONRY PLACED ADJACENT TO ALREADY IN PLACE COLUMNS OR WALLS.

CELL FILLING CONCRETE SHALL BE "FEAROCK" CONCRETE MIX (8" TO 9" SLUMP) OR GROUT WITH F'C=3500 PSI MIN. AT 28 DAYS.

LINTELS:

A. THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE OR CAST-IN-SITE LINTELS AT THE HEADS OF ALL OPENINGS IN MASONRY WALLS NOT EXCEEDING SIX (6) FEET IN WIDTH WHERE BEAMS HAVE NOT BEEN SPECIFIED. FOR OPENINGS ADJACENT TO CONCRETE COLUMNS - THE LINTEL SHALL BE CAST-IN-PLACE WITH THE COLUMN.

B. LINTEL MAY BE INTEGRAL WITH THE STRUCTURAL OR TIE BEAM WHEN HEAD OF THE OPENING IS 16 INCHES OR LESS BELOW. CONTINUE BEAM'S TYPICAL BOTTOM REBARS THROUGH AND ADD 2-#5 BOTTOM TRUSS BARS AT DROPS AND 2-#5 STIRRUPS AT 6 INCHES O.C. EACH END AT DROP.

C. MINIMUM BEARING FOR ALL LINTELS 8 INCHES EACH SIDE OR PROVIDE DOUELS AND POCKETS IN ADJACENT CONCRETE COLUMNS.

D. LINTEL TO BE MINIMUM OF 8 INCHES DEEP WITH 2-#4 TOP AND BOTTOM FOR CLEAR SPANS LESS THAN 6 FEET, 2 INCHES DEEP WITH 2-#5 TOP AND BOTTOM AND 2-#5 STIRRUPS AT 6 INCHES O.C. EACH END FOR SPANS GREATER THAN 6 FEET (UP TO 8 FEET). CALL ARCHITECT FOR SPANS LARGER THAN 8 FEET WITH NO SPECIFIED BEAMS OR LINTELS OVER.

COLD FORMED METAL FRAMING: (SHOP DRAWINGS REQUIRED)

1. ALL COLD FORMED METAL FRAMING SHALL BE DOMESTIC LATEST A 653 (FY=43 KSI) OR FOREIGN WITH EQUIVALENT STRENGTH WITH LATEST 5851A. SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF COLD FORMED METAL FRAMING AND THE 5851A. CODE OF STANDARD PRACTICE.

2. ALL C/PF COMPONENTS SHALL BE MANUFACTURED AS PER ASTM C 355 AND BE GALVANIZED WITH A MINIMUM G-60 COATING PER ASTM C 355.

ALL PRODUCTS SHALL BE FREE OF RUST, DENTS, BENDS & TWEISTS AND STORED ON A FLAT PLANE PRIOR TO INSTALLATION IN THE WORK.

3. ALL WELDING TO BE IN ACCORDANCE WITH AWS, LATEST, E13 & D13 "STRUCTURAL WELDING CODE - STEEL". CLEAN AND RUSTPROOF ALL FIELD WELDS WITH ZINC RICH RUSTPROOFING PAINT.

4. BOTTOM TRACK SHALL BE SECURED TO THE CONCRETE FOUNDATION W/ ANCHOR BOLTS AS PER THE FOUNDATION PLAN AND SHALL BE FURTHER FASTENED AT EA FULL STUD W/ JTT# X 1 1/2" PAF, SHOT THROUGH A 1# X 16 GA HOLELESS WASHER.

5. ALL CONNECTIONS TO BE FIELD AND SHOP WELDED AND TO FULLY DEVELOP MEMBER IN SHEAR.

6. SPLICING LOCATIONS TO BE REVIEWED BY ARCHITECT/ENGINEER.

7. STEEL BEARING ON STEEL TO BE WELDED THERETO.

STRUCTURAL STEEL: (SHOP DRAWINGS REQUIRED)

1. ALL STRUCTURAL STEEL SHALL BE DOMESTIC ASTM A-36 (FY=36 K.S.I.) AND DESIGNED IN ACCORDANCE WITH THE LATEST AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND THE AISC CODE OF STANDARD PRACTICE.

2. STEEL TUBES SHALL BE DOMESTIC STEEL CONFORMING TO ASTM A-500 GRADE B (FY=46 K.S.I.).

TUBE AND PIPE COLUMNS SHALL BE CONCRETE FILLED WITH VENT HOLES TOP, MIDDLE AND BOTTOM.

3. ALL COLUMN BASE AND CAP PLATES SHALL BE 5/8" THICK (UNLESS OTHERWISE NOTED). WIDTH AND LENGTH AS REQUIRED FOR PROPER FOLDING AND AS INDICATED ON THE PLANS AND DETAILS.

4. ALL WELDING TO BE IN ACCORDANCE WITH AWS, LATEST "STRUCTURAL WELDING CODE - STEEL". CLEAN AND RUSTPROOF ALL FIELD WELDS WITH HEAVY DUTY RUSTPROOFING PAINT.

5. ALL CONNECTIONS TO BE FIELD AND SHOP WELDED AND TO DEVELOP MEMBER IN SHEAR.

6. SPLICING LOCATIONS TO BE REVIEWED BY ARCHITECT/ENGINEER.

7. STEEL BEARING ON STEEL TO BE WELDED THERETO.

STRUCTURAL WOOD:

- TO CONFORM TO RULES OF THE MANUFACTURER'S ASSOCIATION UNDER WHOSE RULES THE LUMBER IS PRODUCED. (SEE SUPPLIER'S SPECIFICATIONS).
- TO BE AIR DRIED, WELL SEASONED AND GRADE MARKED AT MILL.
- TO BE NO. 2 SOUTHERN PINE, #1 SPRUCE-PINE-FIR OR #2 HEM-FIR SUBSTITUTIONS BY WRITTEN APPROVAL ONLY.
- ALL STRUCTURAL WOOD TO BE SURFACED FOUR (4) SIDES (S-4-S) WITH A MINIMUM FIBER STRESS IN BENDING OF 1200 P.S.I. AND A MAXIMUM MOISTURE CONTENT OF 19 PERCENT.
- ALL LUMBER AND PLYWOOD IN CONTACT WITH CONCRETE, STUCCO, MASONRY OR OTHER CEMENTITIOUS MATERIALS SHALL BE TREATED TO COMPLY WITH ALUPA STANDARD LP-2.
- STORE ALL LUMBER ABOVE GRADE OR FLOOR. STACK TO ALLOW PROPER AIR CIRCULATION AND PROTECT FROM WETTING WITH SUITABLE COVER.

PLYWOOD ROOF DIAHRAGM:

- ROOF DIAHRAGM SHALL COMPLY WITH THE DESIGN RECOMMENDATIONS OF "A.P.A. DESIGN/CONSTRUCTION GUIDE - DIAHRAGMS" AND THE LOCAL BUILDING CODE.
- ROOF DECKING SHALL BE 5/32" PLYWOOD, CDX TYPE OR 1/6" OSB, AND SHALL BE CONTINUOUS OVER TWO OR MORE SPANS, WITH FACE GRAIN PERPENDICULAR TO THE SUPPORTS.
- CONNECT PLYWOOD DIAHRAGM TO STRUCTURE WITH 8d GALV. NAILS, SPACED AS PER THE ROOF DECK NAILING PATTERN DETAIL ON SHEET 522.
- INSPECTIONS: COMPLY WITH THE LOCAL BUILDING CODE AND OTHER REQUIREMENTS FOR INSPECTIONS (BY THE COUNTY, CITY, ARCHITECT OR ENGINEER) OF SPECIFIED COMPONENTS OF THE ROOF STRUCTURE REQUIRING INSPECTIONS.

WOOD TRUSSES: (DELEGATED ENGINEER SHOP DRAWING REQUIRED)

- DESIGNED AND FABRICATED IN ACCORDANCE WITH "NATIONAL DESIGN SPECIFICATIONS FOR STRESS GRADE LUMBER AND ITS FASTENERS" BY NFPA (LATEST REVISION).
- TRUSSES SHALL BE DESIGNED, SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER, WHO SHALL BE ASSIGNED AS A DELEGATED ENGINEER FOR THE CONTRACTOR. THE DELEGATED ENGINEER DESIGN AND INDICATE ON THE SHOP DRAWINGS ALL TRUSS COMPONENTS, TEMPORARY BRACING, BRIDGING, HARDWARE, METAL HANGERS, ANCHORS AND METAL SHAPES AS REQUIRED BY DESIGN OR AS INDICATED ON THE PLANS. ALL METAL PARTS TO BE GALVANIZED.

3. TRUSS DESIGNER ENGINEER SHALL INDICATE THE NET WIND UPLIFT REACTIONS FOR EACH TRUSS AND GIRDER TRUSS. EACH TRUSS SHALL BE STRAPPED TO THE SUPPORT WITH A HURRICANE STRAP (AS PER DETAIL ON PLAN). THE SIZE OF STRAP AND AMOUNT OF NAILS SHALL BE SELECTED BASED ON THE UPLIFT DATA OF THE STRAP AND THE TRUSS SHOP DRAWINGS.

4. ALL SEATS FOR THE WOOD GIRDER TRUSSES HAVE BEEN SPECIFIED BY THE A/E. IN COORDINATION WITH LOCATION AND LOADING INFORMATION PROVIDED ON THE PRE-ENGINEERED WOOD TRUSS SHOP DRAWINGS.

5. THE TRUSS SHOP DRAWINGS SHALL INDICATE ALL THE REQUIRED LATERAL PERMANENT BRIDGING, AS RECOMMENDED BY THE "TRUSS PLATE INSTITUTE". TRUSS DESIGNER ENGINEER SHALL PROVIDE INFORMATION AND SHOW ON PLAN, ALL LATERAL BRACING OF ANY TRUSS INDIVIDUAL MEMBERS, AS REQUIRED BY TRUSS DESIGN.

6. TRUSSES SHALL BE INSTALLED WITH OUT-OF-PLUMB AND OUT-OF-PLANE TOLERANCES, AS PER THE "TRUSS PLATE INSTITUTE". ANY TRUSS EXCEEDING THE SPECIFIED TOLERANCE MUST BE REALIGNED OR REPLACED.

7. INSTALLATION OF TRUSSES LONGER THAN 35 FT. OR HIGHER THAN 6 FT. SHALL BE MADE UNDER THE DIRECT SUPERVISION OF A LICENSED BUILDING OR GENERAL CONTRACTOR OR A LICENSED STRUCTURAL ENGINEER OR ARCHITECT.

TERMITE TREATMENT NOTES:

SOIL CHEMICAL BARRIER METHOD:

- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND THE DATE OF TREATMENT SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 1042.6
- CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4
- IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4
- TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTITIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1043.16
- INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1046.11
- SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1046.12
- BOXED AREAS CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC. SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1046.13
- MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1046.14
- CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1046.15
- SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1046.16
- AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1046.16
- ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1046.17
- A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1046.17
- AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.13
- NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC. SHALL BE BURIED WITHIN 5'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.14

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DRAWING

1P8

NEW MOSQUE for:
ISLAMIC CENTER OF LAKE CITY
COLUMBIA COUNTY, FLORIDA

NICHOLAS GEISLER
ARCHITECT
A.C.A.R.B. Certified

DATE:

21 DEC 2025

CONTRACT:

2K547

SHEET:

A.11

11 OF 24

AR0007005

The architectural drawing is a detailed floor plan of a building's foundation and lower walls. It includes numerous dimensions and technical specifications:

- Overall Dimensions:** The plan shows overall widths ranging from 75'-8" to 101'-6" and depths from 59'-2 3/8" to 63'-2 3/8".
- Foundation Details:**
 - Footing:** A continuous concrete footing is specified with #5 rebar at 48" O.C.
 - Slab:** A 4" smooth steeled trowled concrete slab with fiber mesh reinforcing over 6 mil plastic sheeting is shown.
 - Walls:** The exterior walls are made of 8" concrete block with brick veneer. Interior walls include 12" CMU stem walls and 4" masonry walls.
- Structural Notes:**
 - "PROVIDE A CONT. 4" x 1/2" BITUMINOUS STRIP ALL AROUND PERIMETER OF FLOATING SLAB"
 - "4 - #5 REBAR @ 6' O.C. X 8'-0" LONG AT MID-DEPTH OF SLAB - 4 LOC."
 - "4" SMOOTH STEELED TROWLED CONC. SLAB, W/ FIBERMESH REINFORCING OVER 6 MIL PLASTIC SHEETING ON CLEAN, WELL COMPACTED SAND FILL, TERMITE TREATED"
 - "NOTE! LAP EDGES OF 6 MIL VAPOR BARRIER MIN. 6" - SEAL ALL JOINTS, TEARS AND PIPING PENETRATIONS"
 - "5/8" SQ. X 14" X CONT. MONO. CONC. FTG W/ #5 REBAR, BOTTOM - 4 LOC."
 - "3" STEEL PIPE COLUMN W/ 10" SQ. X 5/8" BASE 1/4" PLATE BEAM POCKETS & 4 - 5/8" ANCH. BOLTS X 10" EMBEDMENT - 7 LOCATIONS"
 - "DEPRESS SLAB AT WUDO FLOOR DRAIN A MINIMUM OF 2" OR AS DIRECTED BY OWNER - 4 LOCATIONS"
 - "40" SQ. X 12" X CONT. MONO. CONC. FTG W/ #5 REBAR, BOTTOM - 3 LOC."
- Other Features:**
 - Queen brick veneer with brick wall ties at 16" O.C.
 - 8" conc. block wall w/ conc. filled cells reinforced w/ #5 rebar hooked to the footing below and to the tie beam above.
 - Face of brick is face of 12" CMU below.
 - Footings follow outline of stemwall.

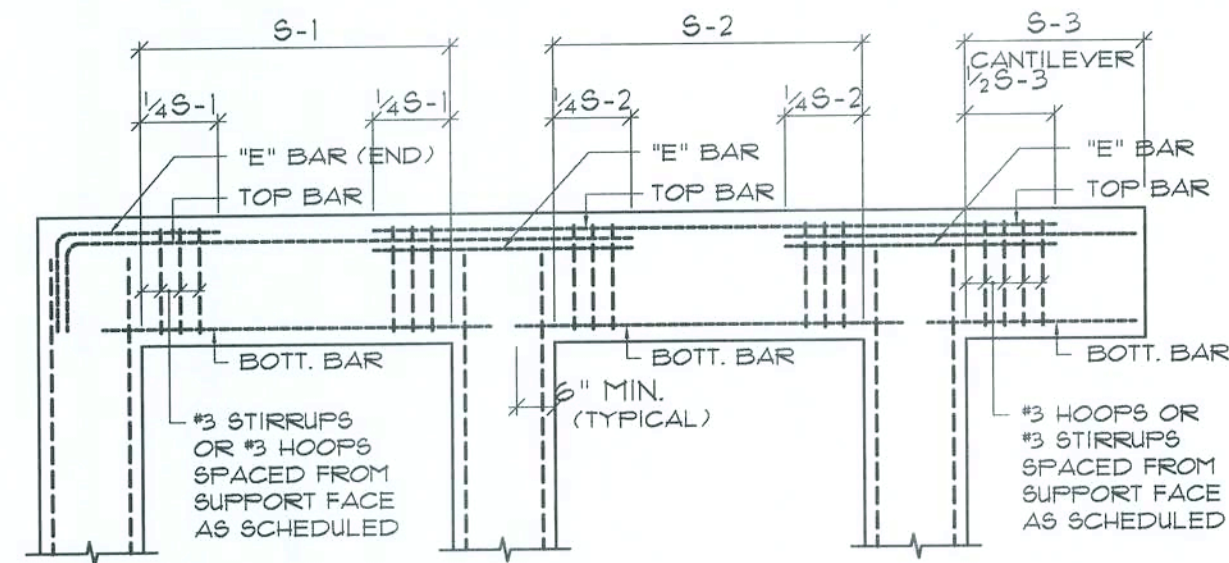
SCALE: 1/4" = 1'-0"

NOTE1
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM. CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DUGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE1
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING. CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DUGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

AR0007005

AS-BUILT FIELD NOTES:

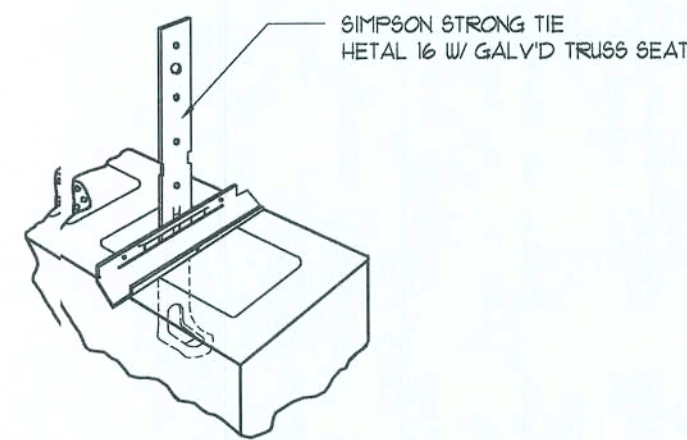


GENERAL BEAM SCHEDULE NOTE:

- SCHEDULED HOOPS OR STIRRUPS SHALL BE PLACED AT EACH END OF BEAM UNLESS NOTED OTHERWISE. STIRRUPS SHALL BE TYPE S-6 & HOOPS SHALL BE TYPE T-2 TYPICAL CRSI BAR BENDS UNLESS NOTED OTHERWISE.
- BUNDLE ALL STRUCTURAL BEAM TOP BARS IN PAIRS OVER SUPPORTS WITH TOP BARS FROM ADJACENT BEAMS.
- ALL CONCRETE BEAMS OTHER THAN THOSE WITH THE PREFIX TB SHALL BE FORMED PRIOR TO PLACING OF BLOCK BELOW.
- ALL TIE BEAM REINFORCING SHALL BE CONTINUOUS THROUGH TIE BEAMS ONLY. ALL SPLICES SHALL BE A MINIMUM OF 30 BAR DIAMETERS.
- ALL TIE BEAM TOP REINFORCING SHALL EXTEND INTO SPAN OF ANY ADJACENT STRUCTURAL BEAM AS PER BENDING DIAGRAM.
- DROP BOTTOM OF TIE BEAMS AS REQUIRED AT WINDOW AND DOOR HEADS (28" MAXIMUM) AND ADD 2 #5 BOTTOM IF DROP EXCEEDS 8".
- TIE BEAM SCHEDULED DEPTHS ARE MINIMUM AND MAY BE INCREASED (8" MAXIMUM) TO FIT BLOCK WORK.
- ALL ADDED LONGITUDINAL BEAM REINFORCING SHALL EXTEND A MINIMUM OF 6" INTO SUPPORT UNLESS NOTED OTHERWISE.
- MARK 'C' IN REINFORCING COLUMN BETWEEN TWO BEAMS INDICATES THAT REINFORCING SHALL BE CONTINUOUS THROUGH THESE TWO BEAMS.

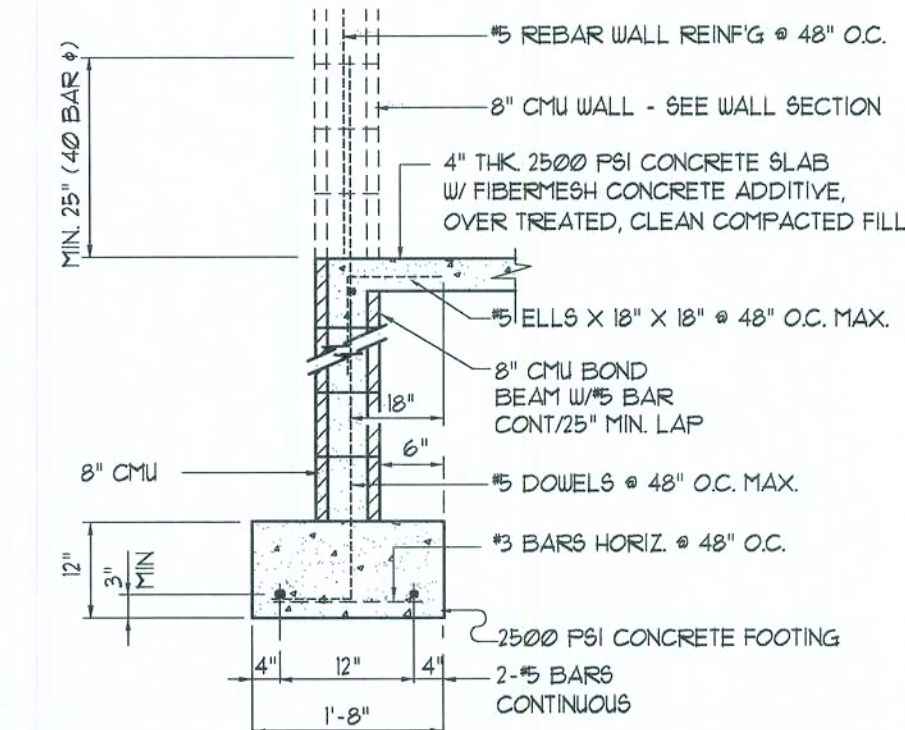
BOTTOM BARS - TOP BARS - "E" BARS BENDING DIA.: CAST-IN-PLACE CONCRETE BEAMS & SLABS

SCALE: NONE



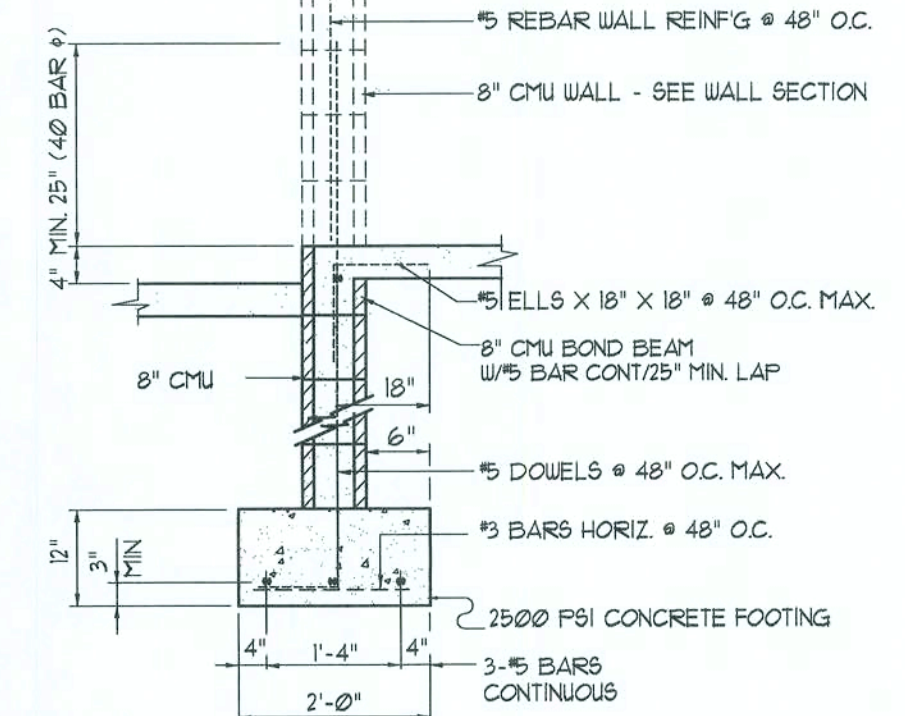
Truss Anchor DETAIL

SCALE: 1/2" = 1'-0"



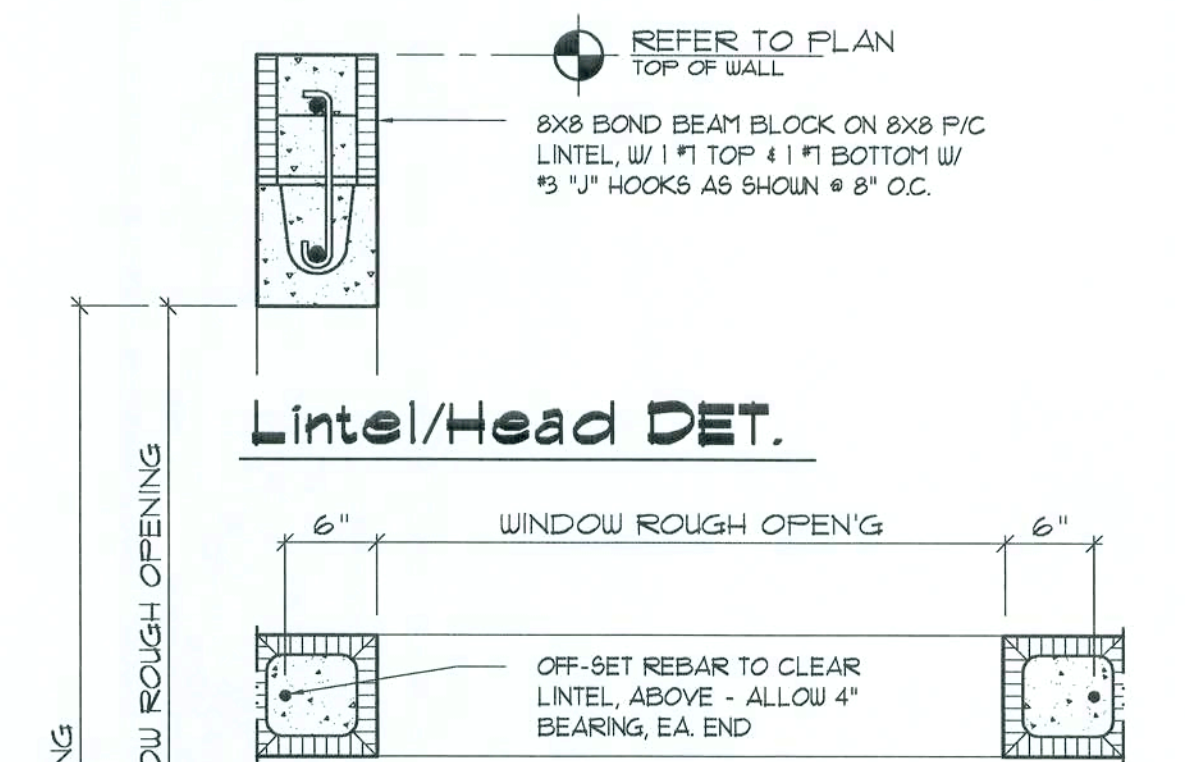
STEM WALL SECTION

SCALE: 1/2" = 1'-0"

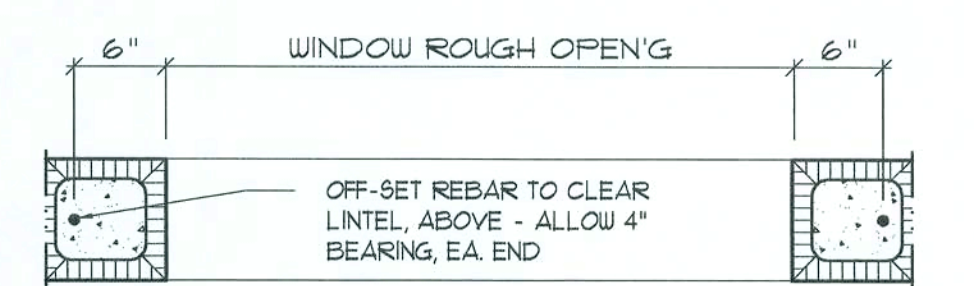


STEM WALL SECTION

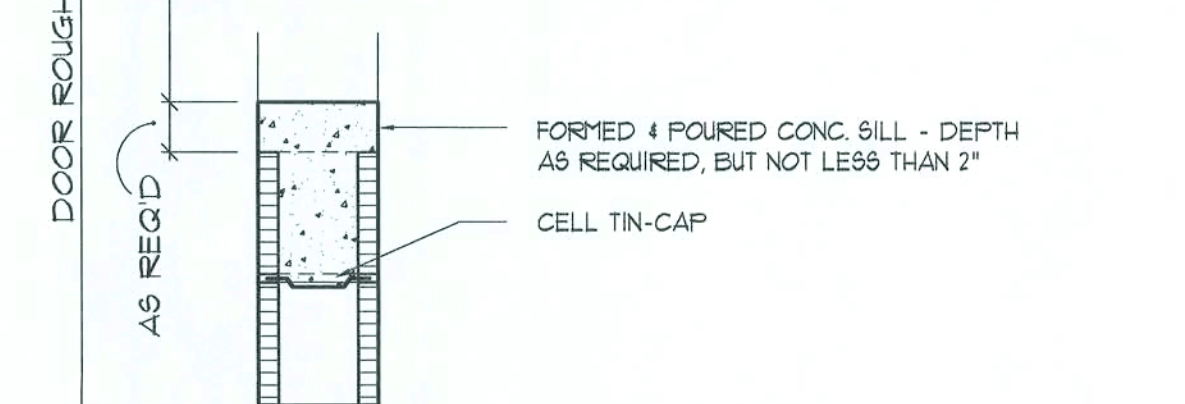
SCALE: 1/2" = 1'-0"



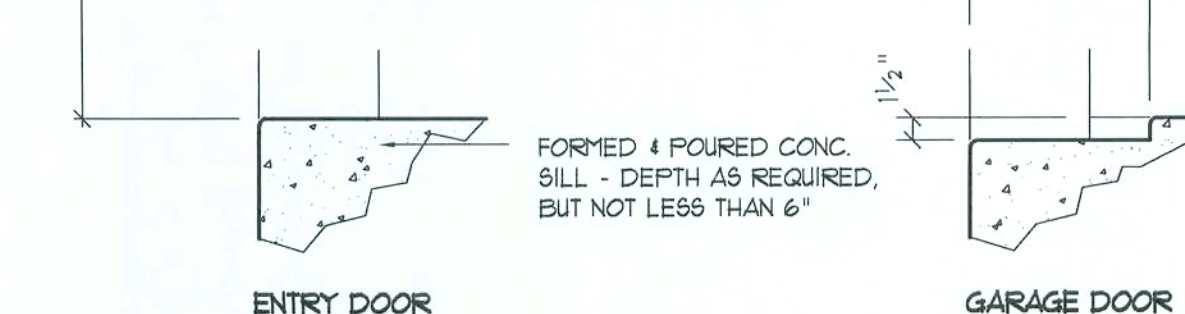
Lintel/Head DET.



Jamb DETAIL



Sill DETAIL



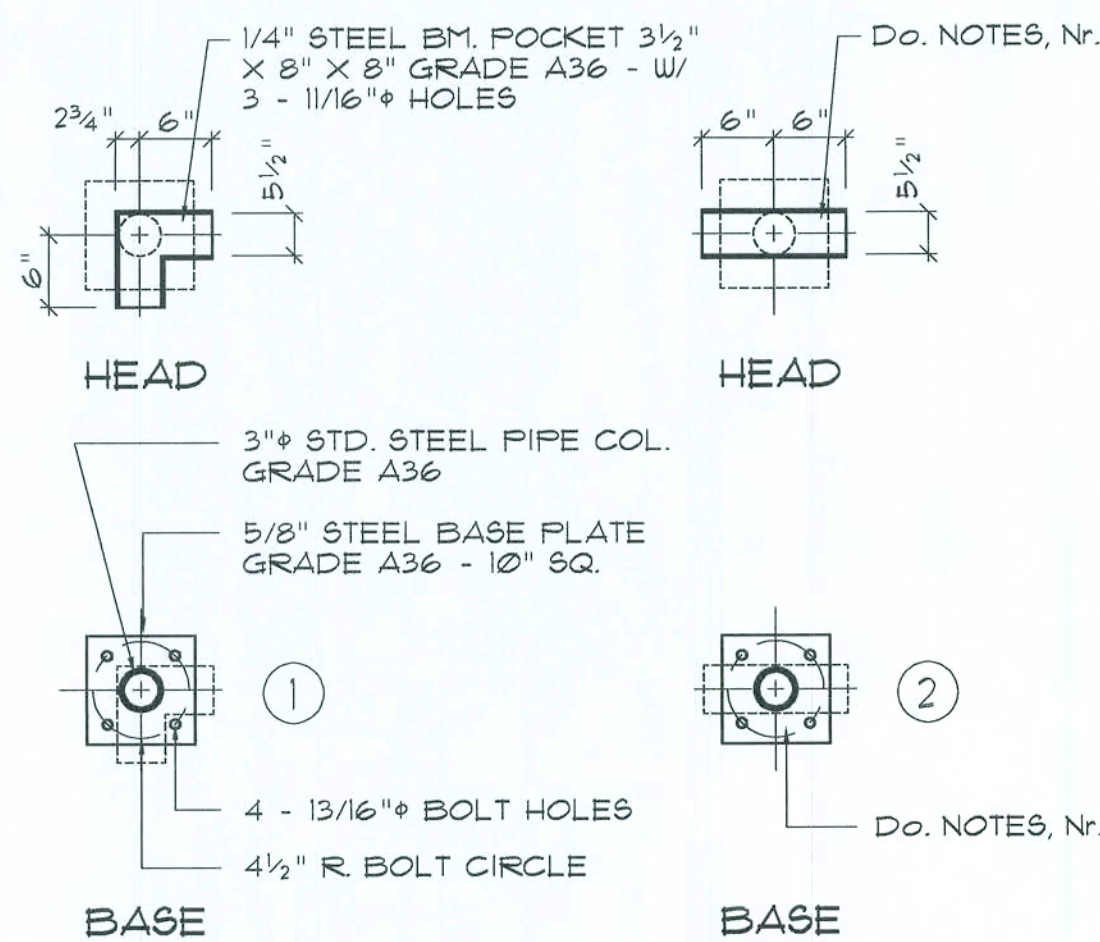
ENTRY DOOR Sill DETAIL

Masonry Opn'g DET'S

SCALE: 1" = 1'-0"

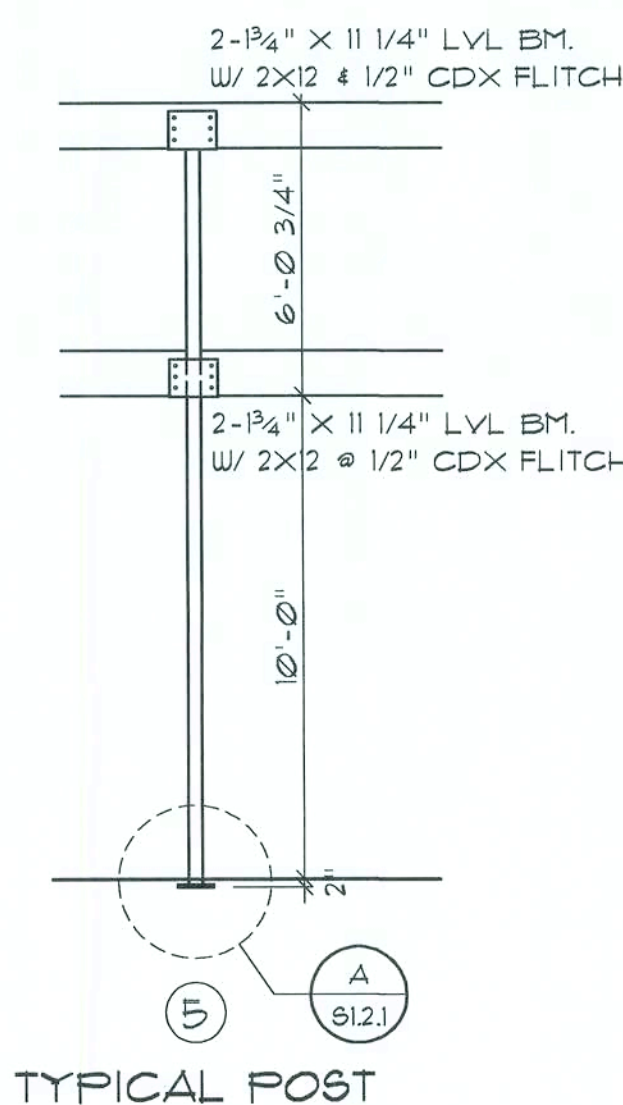
STEEL POST NOTES:

- LENGTH OF POSTS SHALL BE DETERMINED WITH FIELD MEASUREMENTS OF AS-BUILT CONDITIONS - POST BEARING IS 2" BELOW FLOOR SLAB ELEVATION
- ALL POST COMPONENTS SHALL BE FULLY WELDED CHIPED AND SHOP PAINTED.
- RED IRON WORK SHALL REQUIRE SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION OF THE PRODUCT.
- NOTE ORIENTATION OF BOTH THE BASE PLATE AND BEAM SUPPORTS !!!

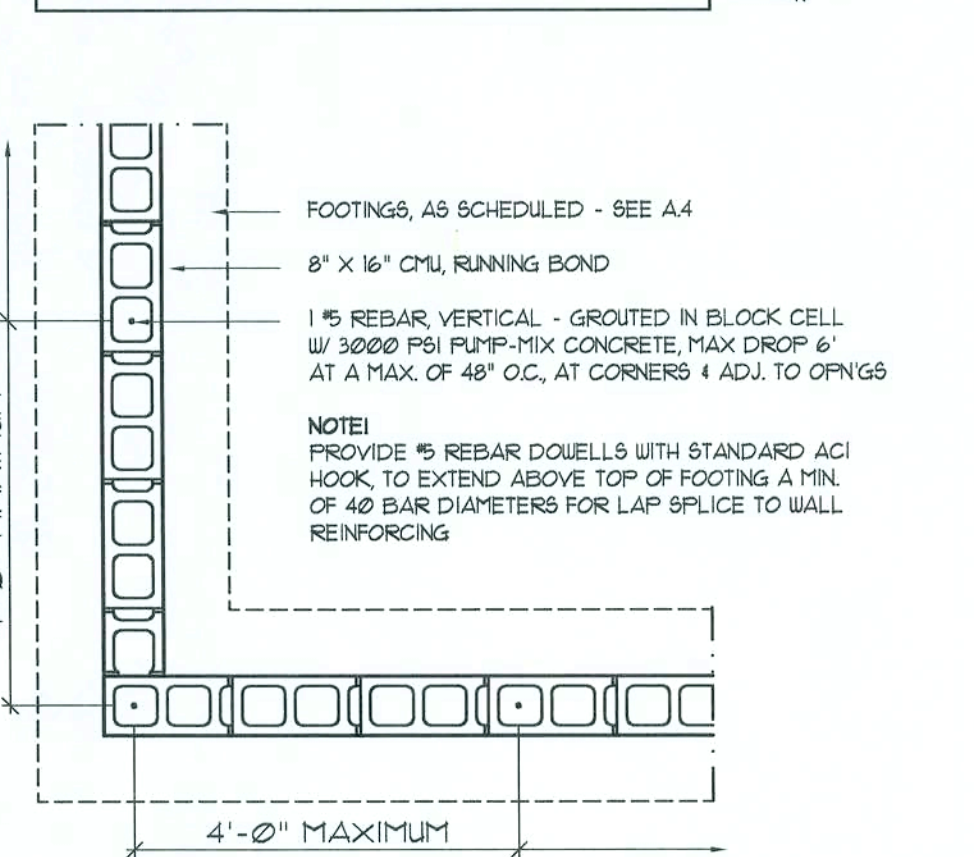
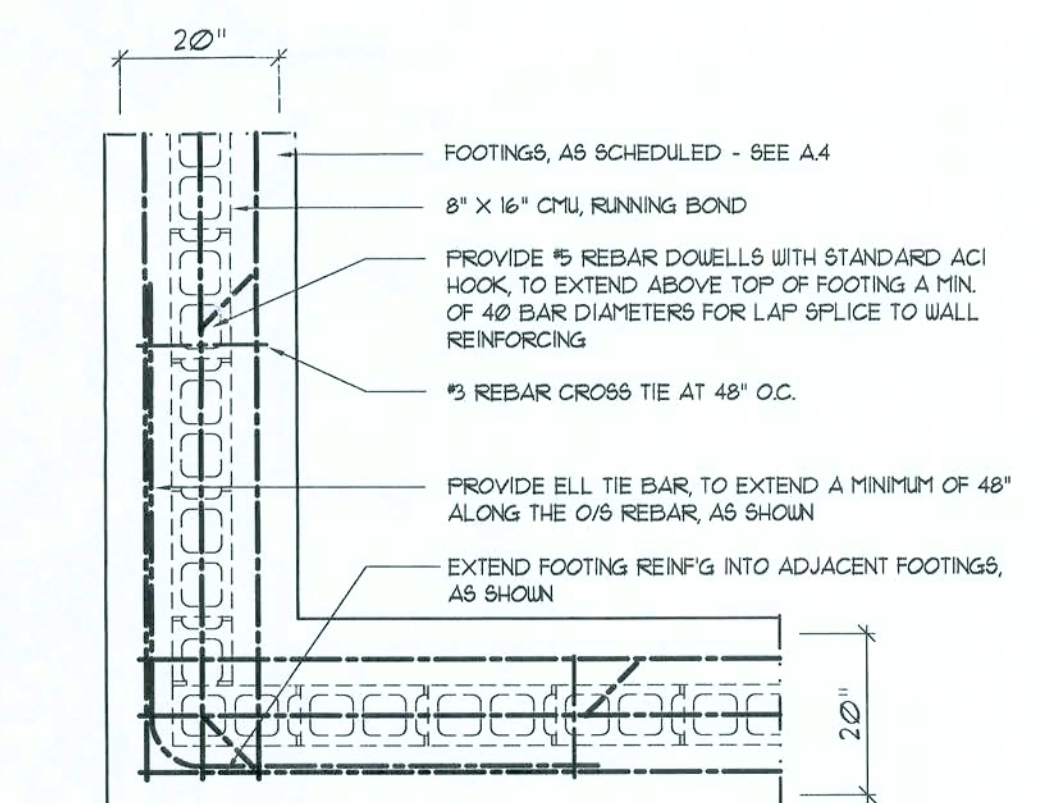


Steel Post DETAILS

SCALE: 3/4" = 1'-0"



TYPICAL POST



Wall/Foundation Reinf'g DETAIL

SCALE: 1/2" = 1'-0"

Post Base DETAIL

SCALE: 3/4" = 1'-0"

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RAWN:

mpg

NEW MOSQUE for:
ISLAMIC CENTER of LAKE CITY
COLUMBIA COUNTY, FLORIDA

**NICHOLAS
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ARCHITECT**
N.C.A.R.B. Certified
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352-752-9021

DATE:
21 DEC 2005

CONTRACT:
2K547

SHEET:

A.13

13 OF 24

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The diagram illustrates the foundation plan view of a wall. The overall width is 8'0" (AS REQUIRED), and the overall height is 8'0" (AS REQUIRED). The foundation slab has a thickness of 14". The wall has a width of 12". The foundation slab is reinforced with 2 #5 BOND BEAM REBAR. The wall is reinforced with 5# ADDED LINTEL REBAR (IF REQ'D) and 5# LINTEL WALL TIE, HOOKED TO LINTEL. The foundation slab is also reinforced with 5# FOUNDATION DOWELL HOOKED TO FOOTING and 5# FOUNDATION REBAR AS PER PLAN. A diagonal crack labeled "WIN. CRKG." and "DOOR CRKG." is shown across the wall. A dimension of 2" is indicated near the top left corner.

- PREFCAST CONC. LINTEL AS PER SHOP DRAWINGS
- 2 #5 BOND BEAM REBAR
- 5# ADDED LINTEL REBAR (IF REQ'D)
- 5# LINTEL WALL TIE, HOOKED TO LINTEL
- 5# WALL REBAR, BENT INTO BOND BEAM
- 5# FOUNDATION DOWELL HOOKED TO FOOTING
- 5# FOUNDATION REBAR AS PER PLAN

9'0" REQUIRED (8'0")

8'0" (AS REQUIRED)

8'0" (AS REQUIRED)

14"

2"

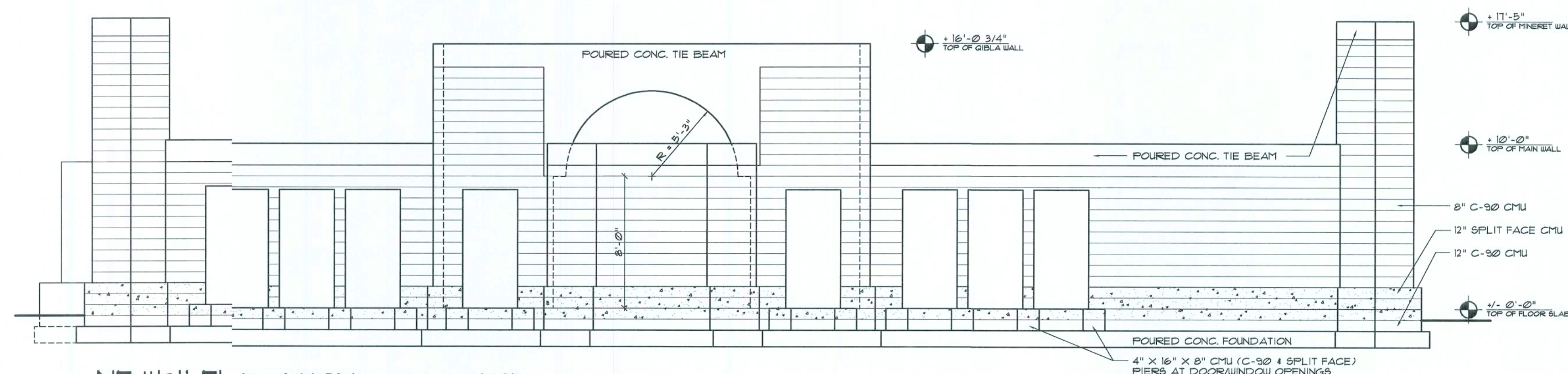
WIN. CRKG.

DOOR CRKG.

12"

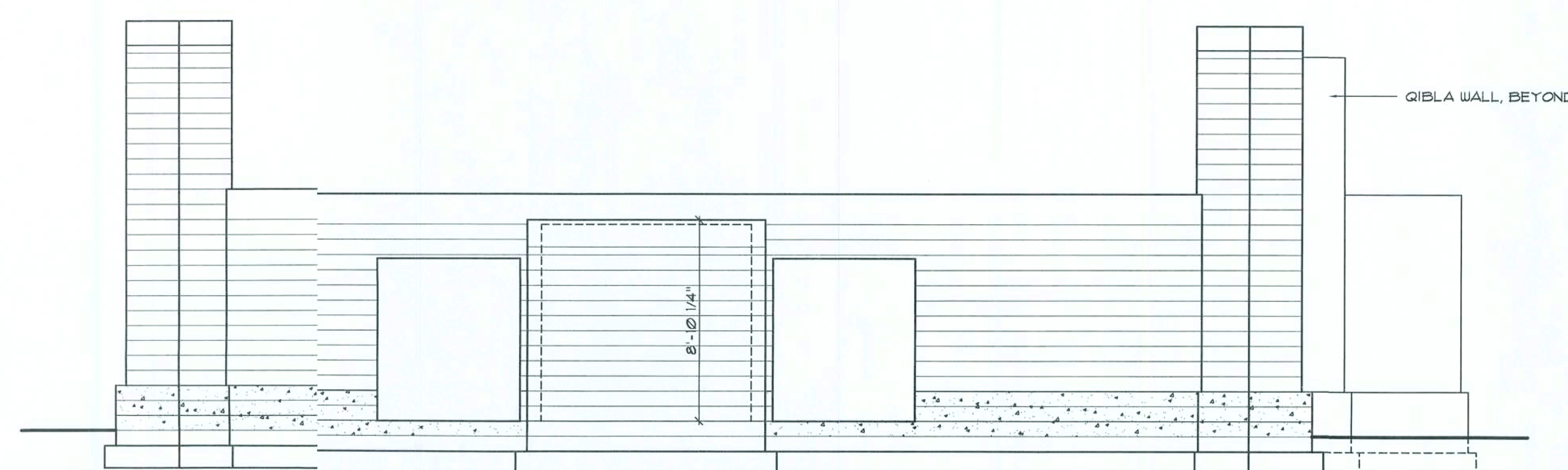
12"

NOTE!
REFER TO GENERAL NOTES FOR LAP SPlice AND HOOK
MINIMUM LENGTH/SIZE - ALL PER ACI 318-LATEST

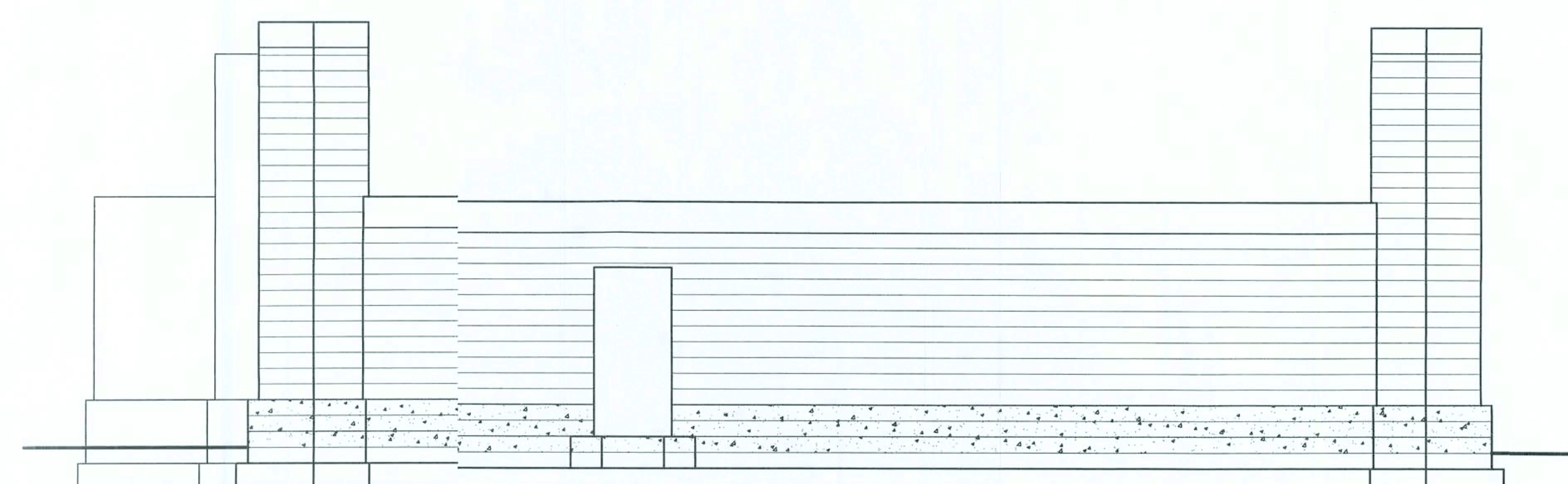


NE Wall ELEVATION

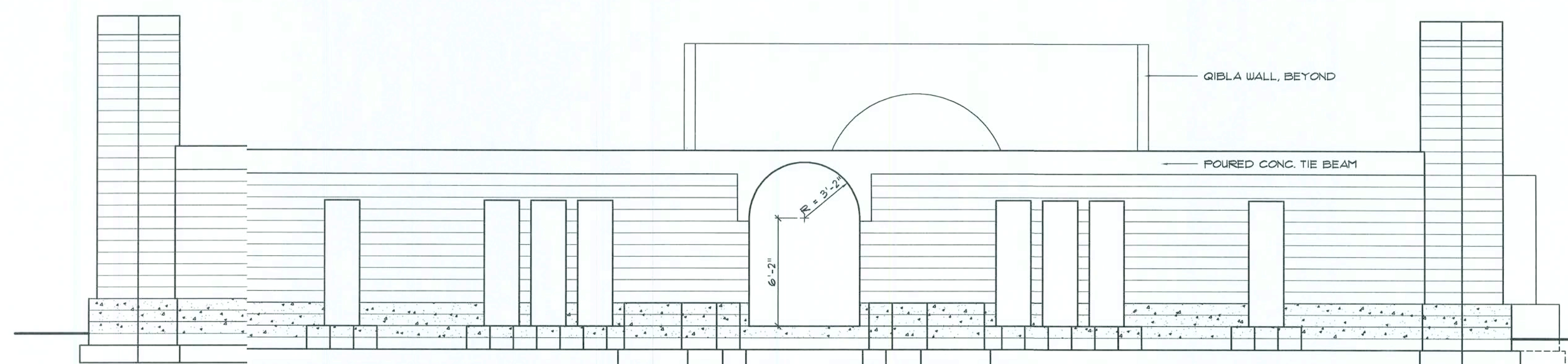
NOTE!
PROVIDE PRECAST CONC LINTELS OVER ALL LEVEL
WALL OPENINGS, BELOW LEVEL OF TIE BEAM



SE Wall ELEVATION
SCALE: 3/16" = 1'-0"



NW Wall ELEVATION
SCALE: 3/16" = 1'-0"



SW Wall ELEVATION

11pg

NEW MOOGUE FOR:
SLAMIC CENTER of LAKE CITY
COLUMBIA COUNTY, FLORIDA

N

**NICHOLAS
PAUL
GEISLER
ARCHITECT**

1758 N. ...
ake ...
C ...

2K547

14 OF 24

AR007005

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N.P. Gebler, Architect

DRAWN

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NEW MOSQUE for:
ISLAMIC CENTER of LAKE CITY
COLUMBIA COUNTY, FLORIDA

NICHOLAS PAUL GEBLER
ARCHITECT
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Lake City, FL 32055
Phone: 904-299-5051

DATE:

21 DEC 2005

COMM:

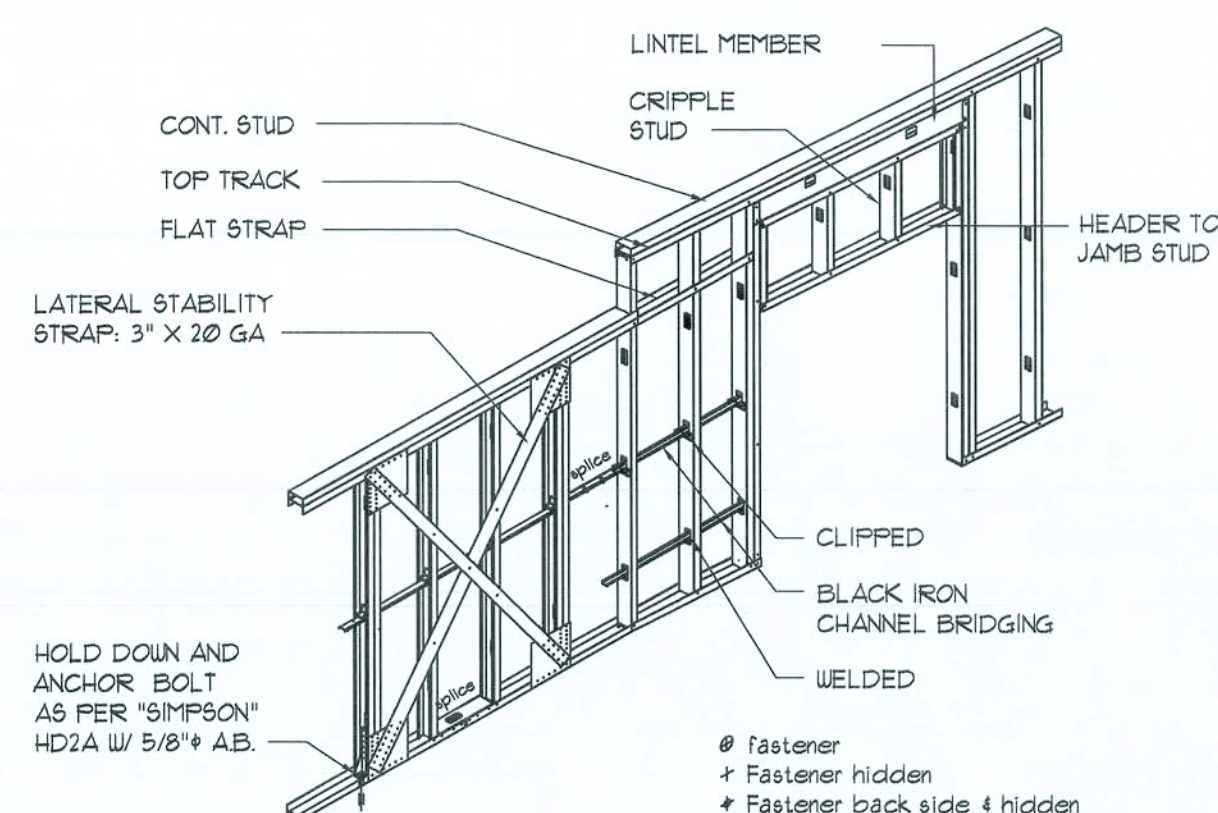
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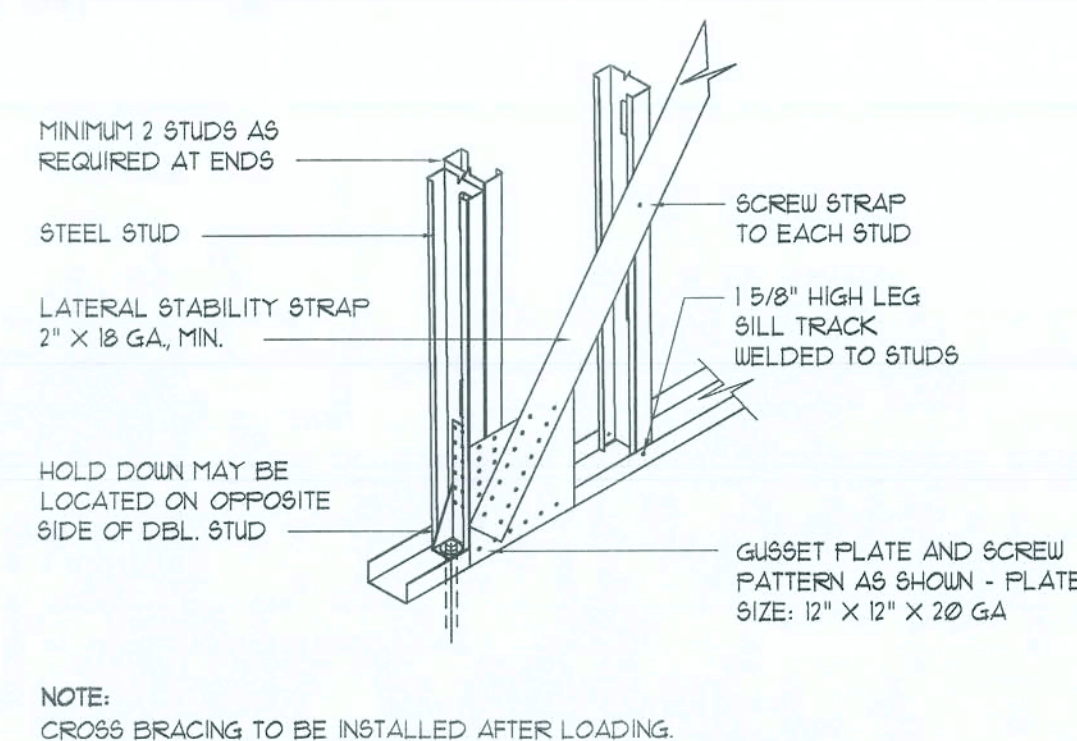
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15 of 24

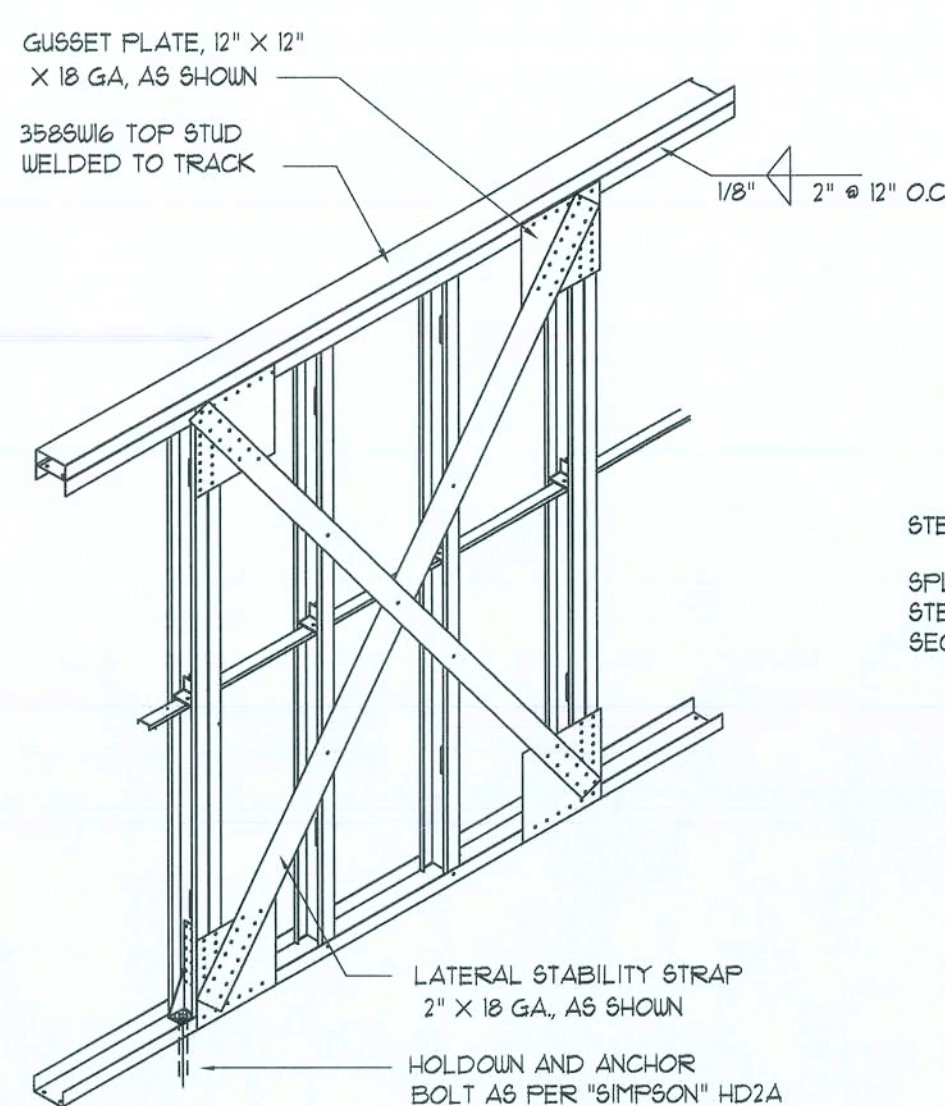
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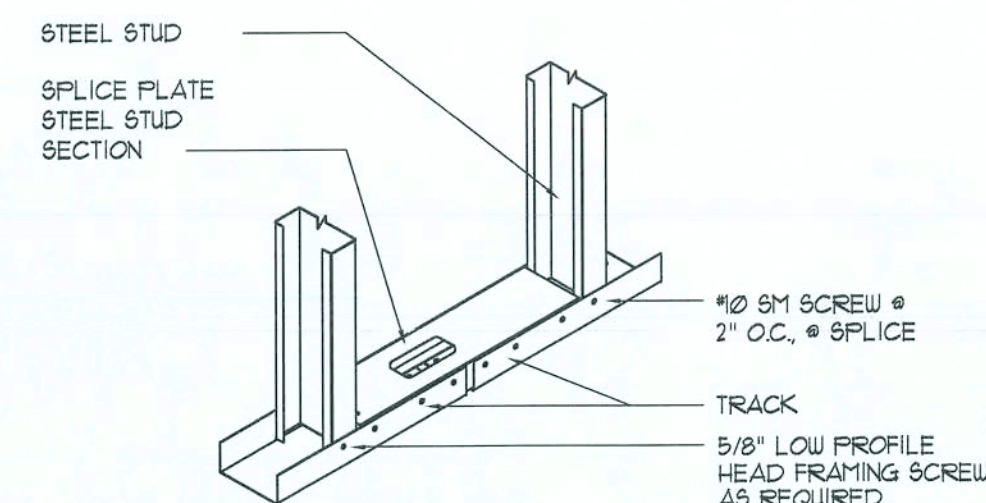
STRUCTURAL WALL ASSEMBLY



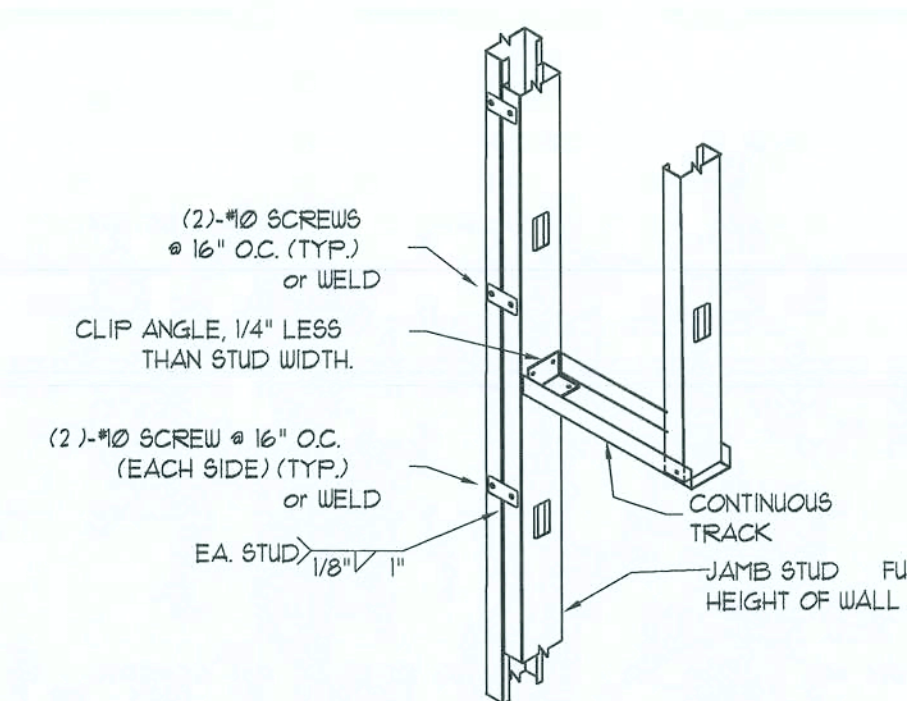
SHEAR WALL HOLD DOWN AT CROSS BRACE



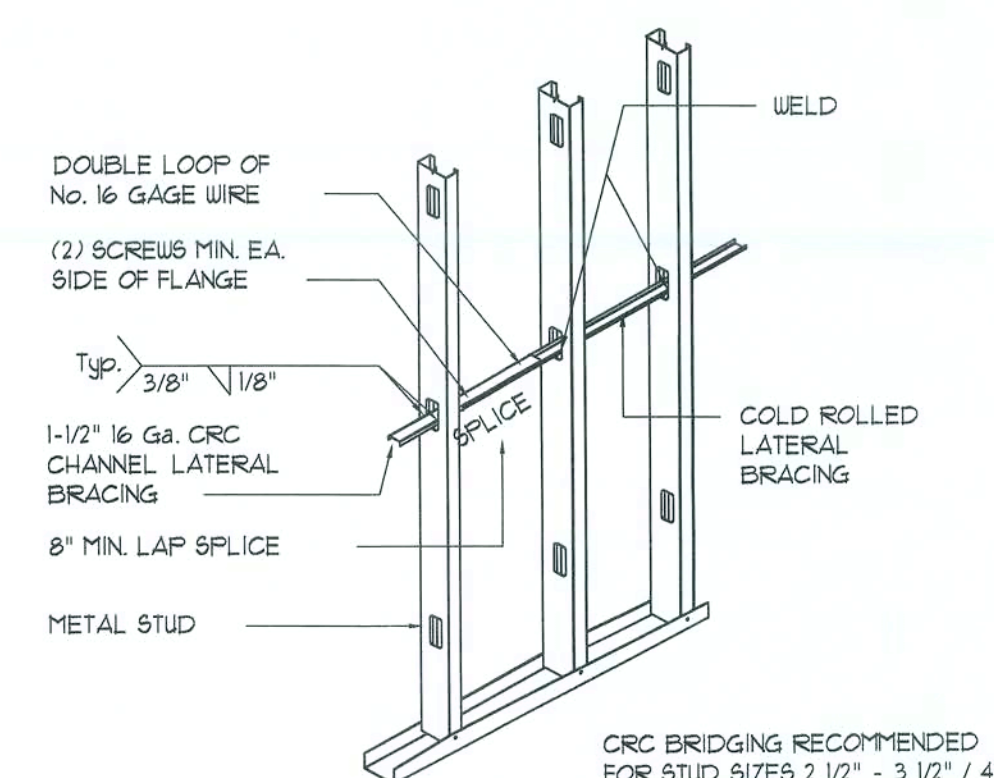
SHEAR WALL CROSS BRACE



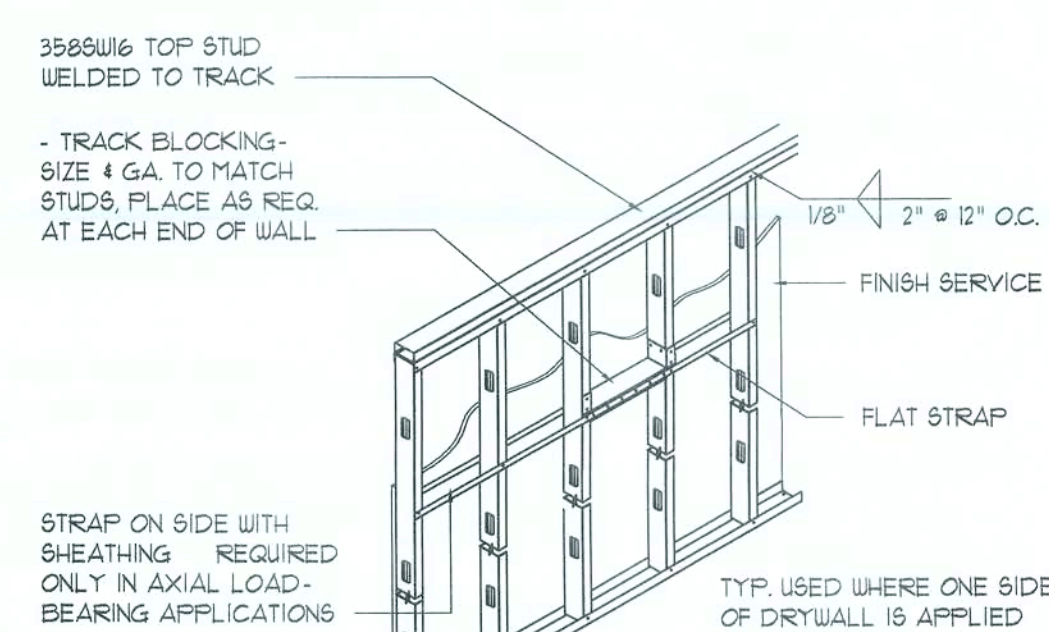
TRACK SPLICE



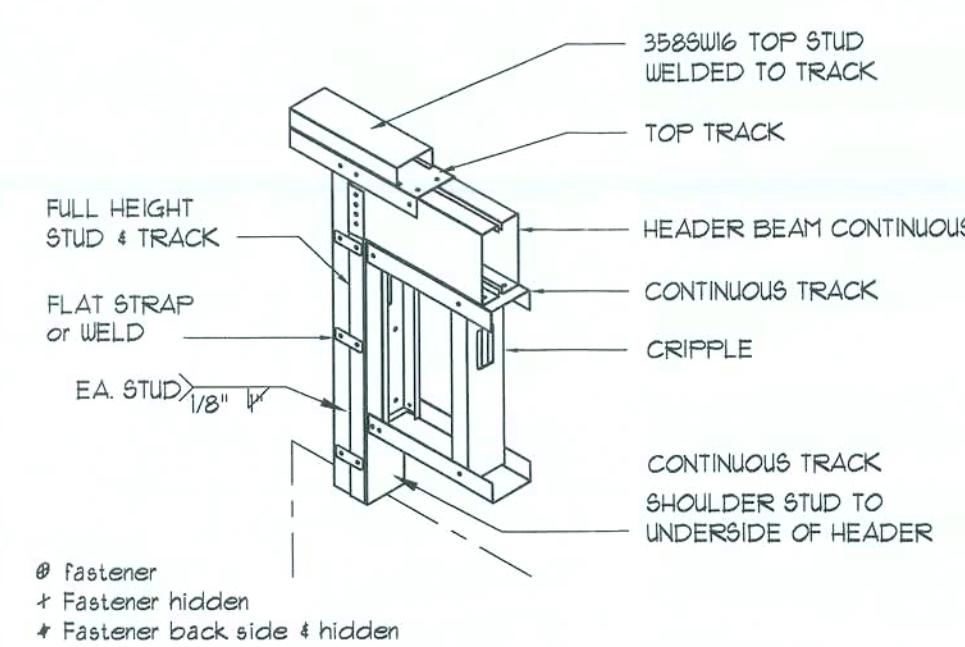
JAMB STUD DETAIL



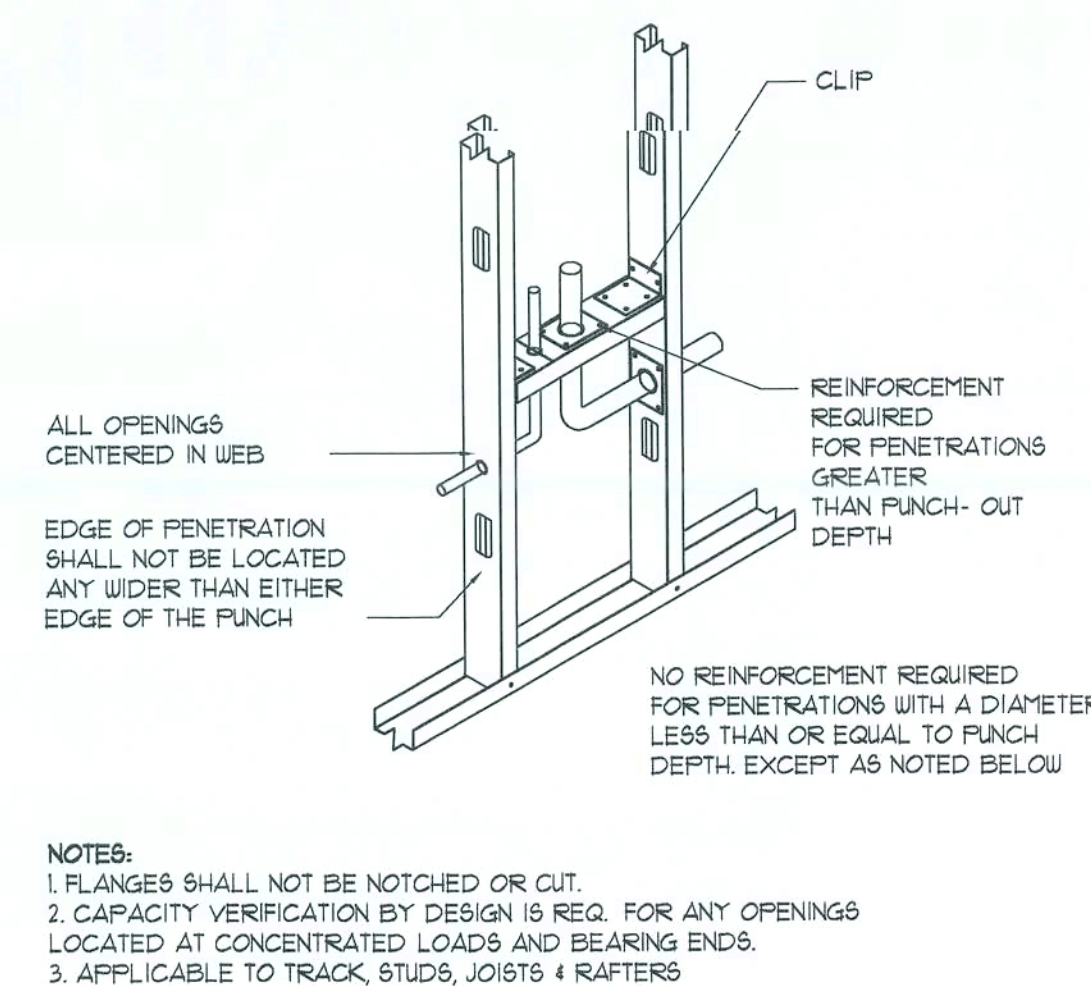
WELDED CRC BRIDGING



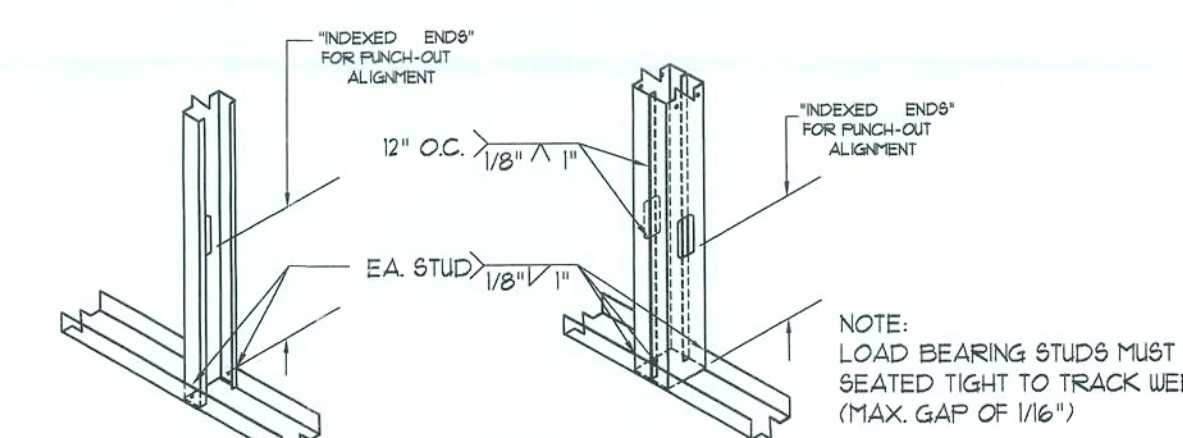
FLAT STRAP LATERAL BRACING



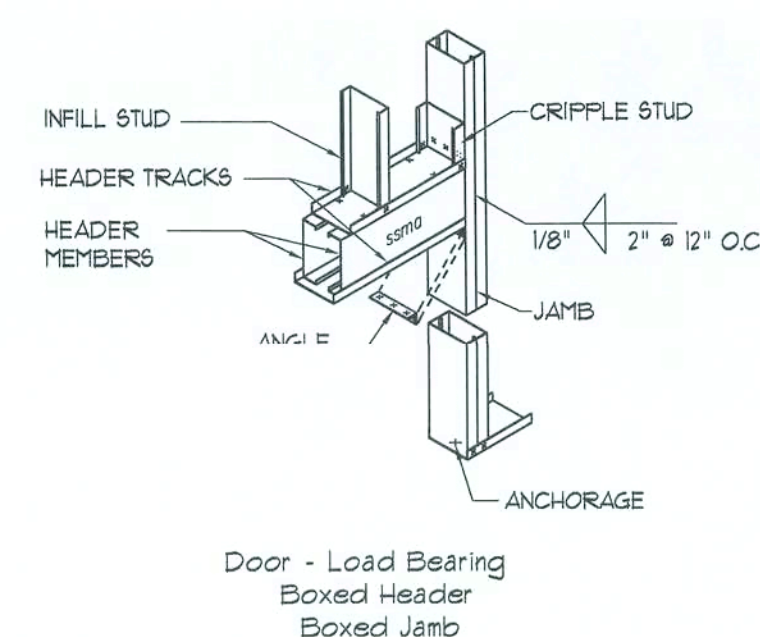
HEADER TO JAMB STUD DETAIL



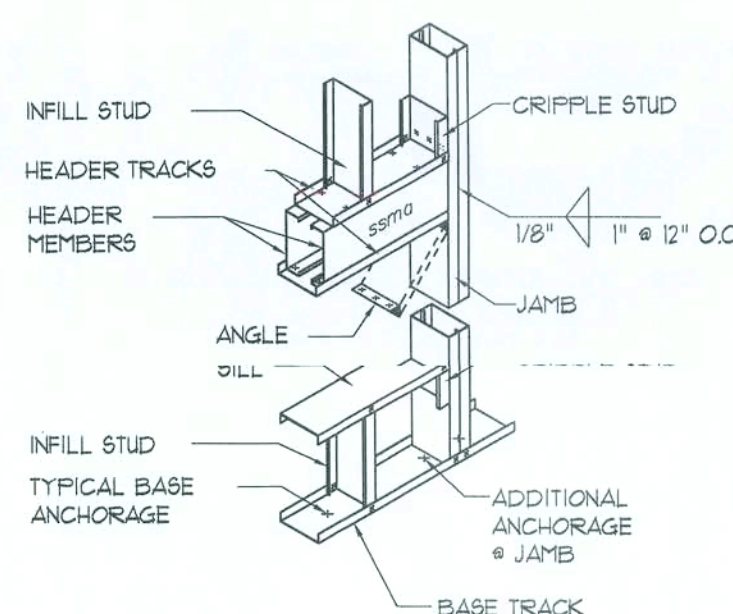
STUD WEB PENETRATIONS



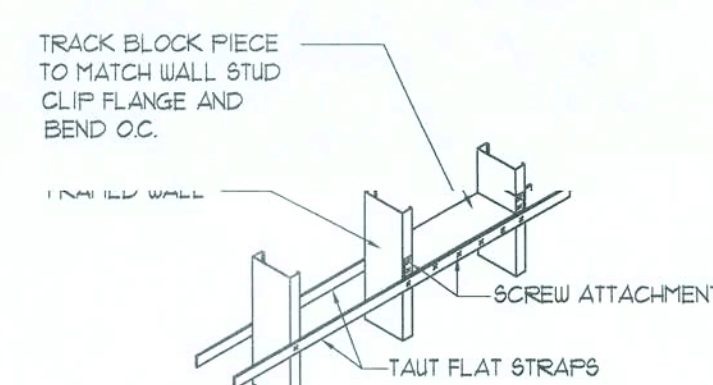
TYPICAL STUD TO TRACK CONNECTIONS



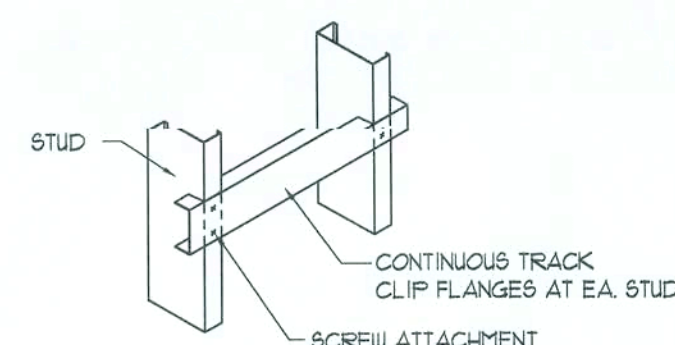
DOOR - LOAD BEARING BOXED HEADER - BOXED JAMB



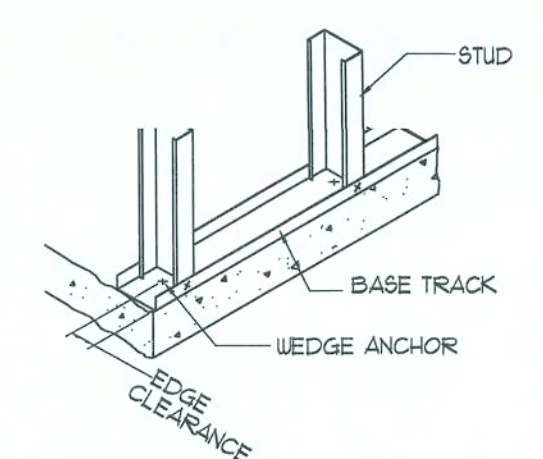
WINDOW - LOAD BEARING BOXED HEADER - BOXED JAMB



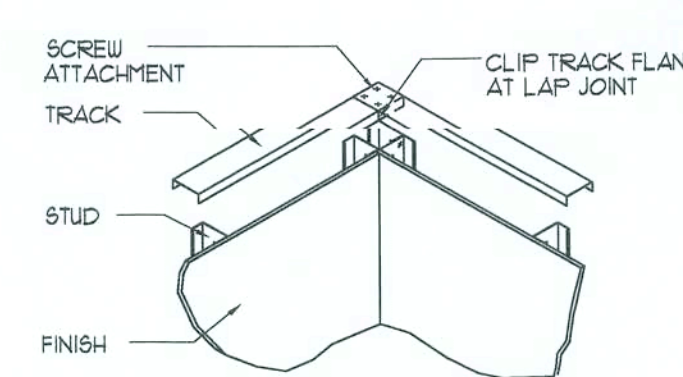
BRIDGING DOUBLE FLAT STRAP W/BLOCKING



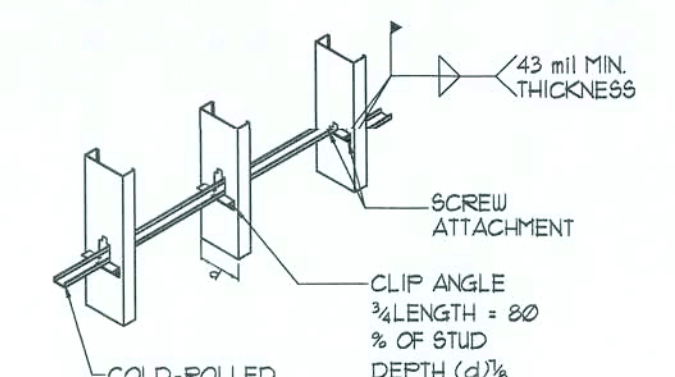
BACKING - CLIPPED TRACK - HYV. LOADED (GRAB BARS, HANDRAILS, WALL HUNG CABINETS)



BOTTOM TRACK WEDGE ANCHOR



CORNER TRACK LAP CONNECTION



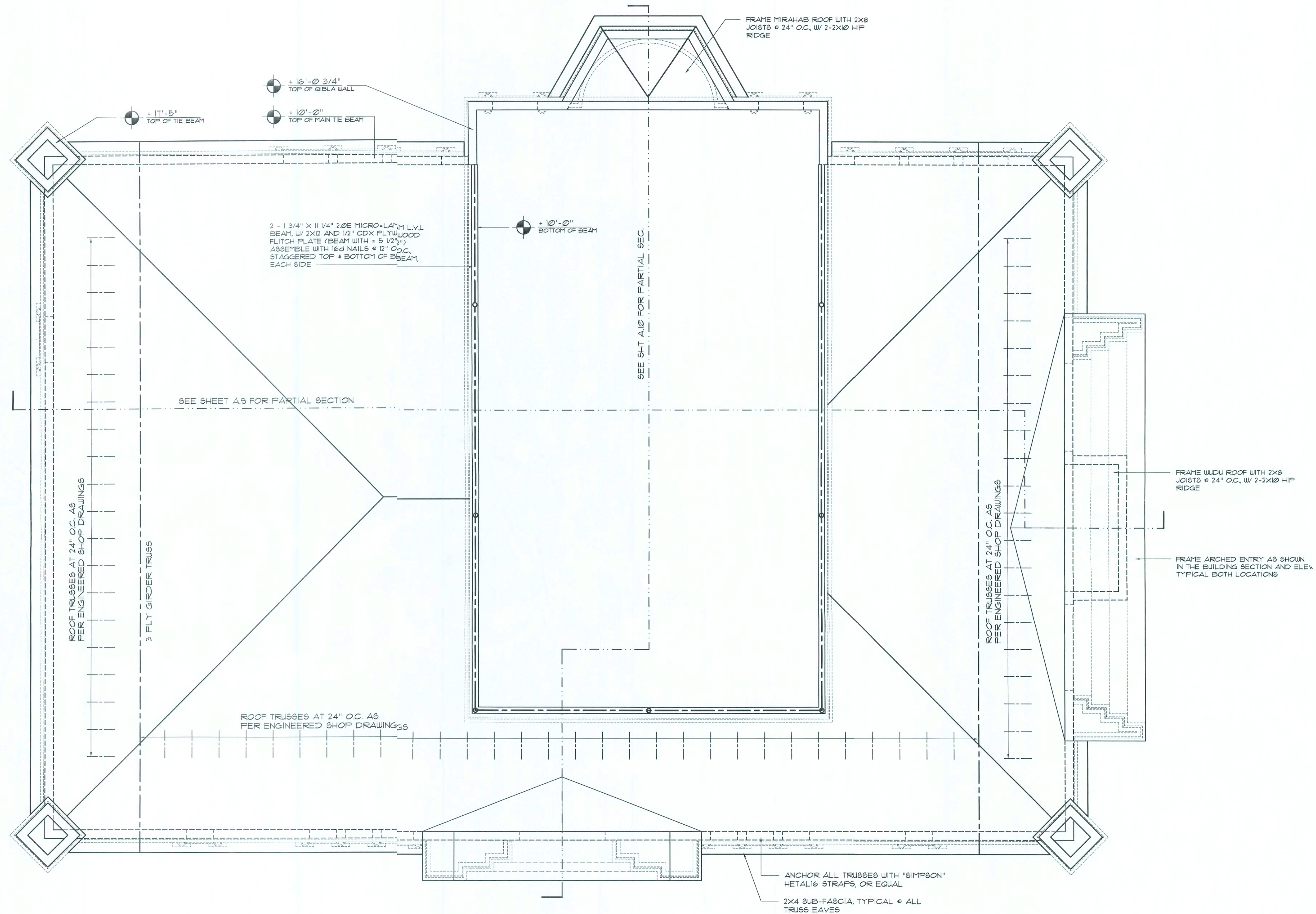
BRIDGING COLD-ROLLED CHANNEL W/CLIP ANGLE

Metal Stud DETAILS

SCALE: NONE

NOTE:
ALL METAL STUDS IN AXIAL LOAD APPLICATIONS SHALL BE 3588W6 MINIMUM, W/ MATCHING TRACK. ALL WELDED JOINTS

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Lower Roof Framing PLAN

SCALE: 1/4" = 1'-0"

SHOP DRAW COORDINATION: THE TRUSS ANCHOR STRAPS AS INDICATED IN THE CONSTRUCTION DOCUMENTS ARE SUGGESTED STRAPS AND THAT THE TRUSS ENGINEERED SHOP DRAWING LOADS TAKE PRECEDENCE OVER THAT INDICATED IN THE CONSTRUCTION DOCUMENTS. THE UPLIFT LOADS INDICATED FOR EACH TRUSS IN THE ENGINEERED TRUSS SHOP DRAWINGS MAY BE MATCHED TO STANDARD PRODUCT UPLIFT RATINGS FOR COMPARABLE UPLIFT CONNECTORS, AND THAT THE PRODUCTS THAT PROVIDE EQUAL OR GREATER UPLIFT RESISTANCE FOR THE LISTED LOADS MAY BE USED IN LIEU OF THOSE INDICATED IN THE CONSTRUCTION DOCUMENTS OR AS APPROVED BY THE BUILDING OFFICIAL.

THE CONTRACTOR SHALL COORDINATE THE TRUSS TO TRUSS ANCHOR REQUIREMENTS WITH THE TRUSS ENGINEERING SHOP DRAWINGS. SOME OF THE TRUSS TO TRUSS CONNECTIONS WILL REQUIRE ANCHOR STRAPS IN ADDITION TO TYPICAL NAILING. ANCHOR DEVICES SHALL BE REQUIRED FOR ALL JOINTS WITH AN UPLIFT OR GRAVITY LOAD OF 100 LBS OR GREATER. TRUSSES BEARING ON INTERIOR PARTITIONS WHERE UPLIFT LOADS ARE PRESENT SHALL REQUIRE ANCHORS OF EQUAL OR GREATER LOAD CAPACITY THAN THAT INDICATED BY THE TRUSS SHOP DRAWINGS. THE UPLIFT ANCHOR SYSTEM SHALL BE CONTINUOUS TO THE FOUNDATION.

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NEW MOSQUE for:
ISLAMIC CENTER OF LAKE CITY
COLUMBIA COUNTY, FLORIDA

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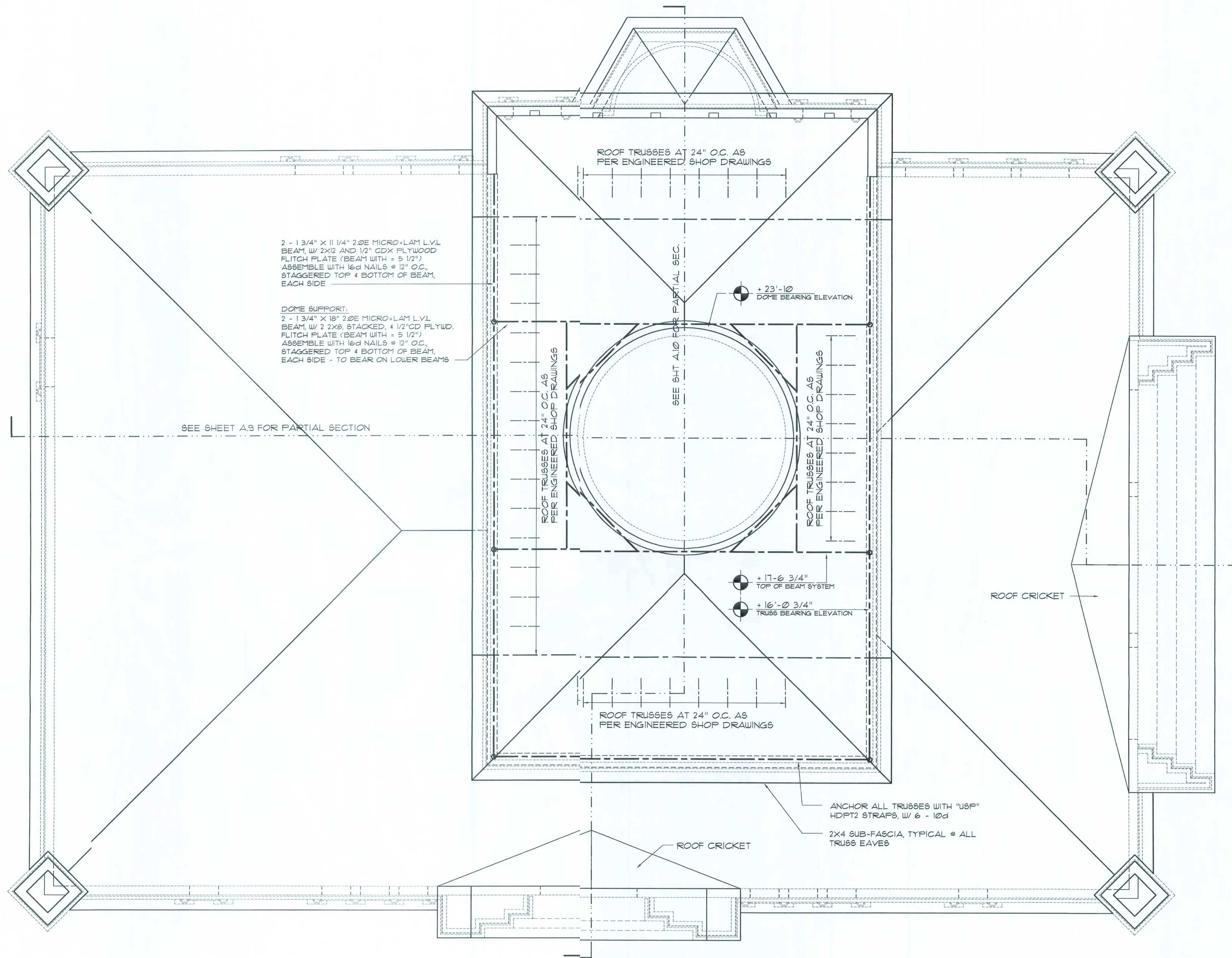
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16 OF 24

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Upper Roof Framing PLAN
SCALE: 1/4" = 1'-0"

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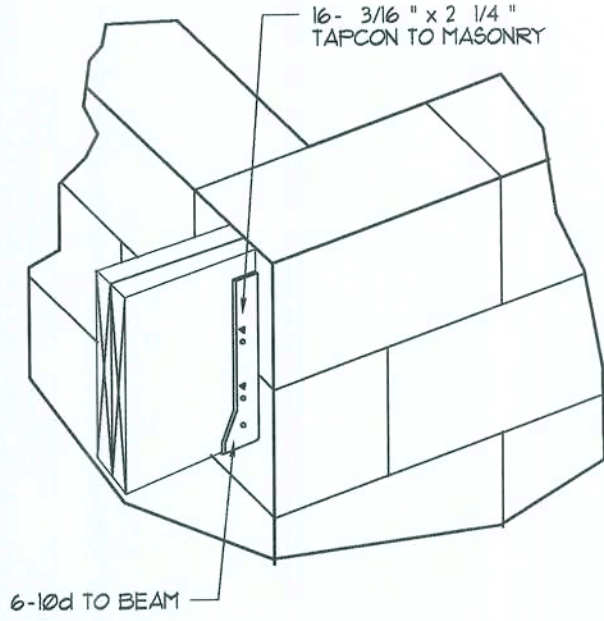
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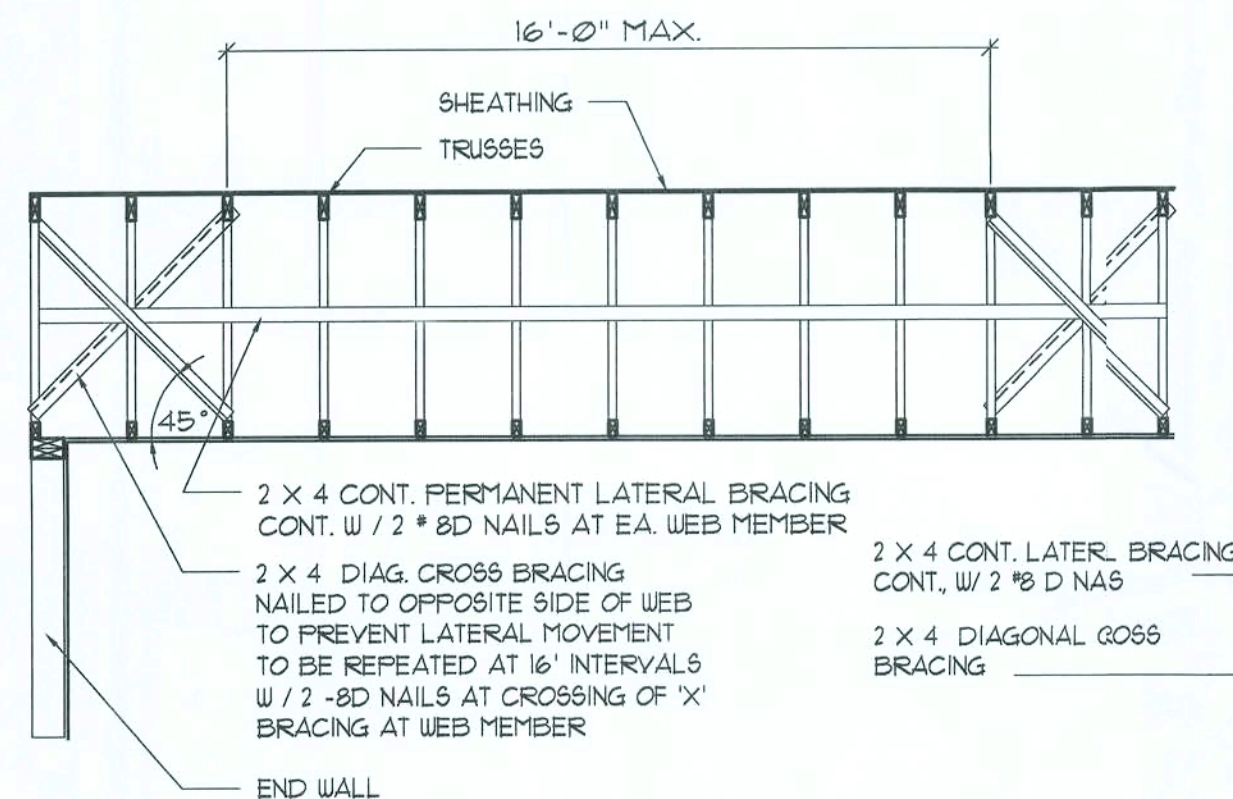
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"Simpson" HUSC410

SCALE: NONE
WOOD BEAM TO MASONRY

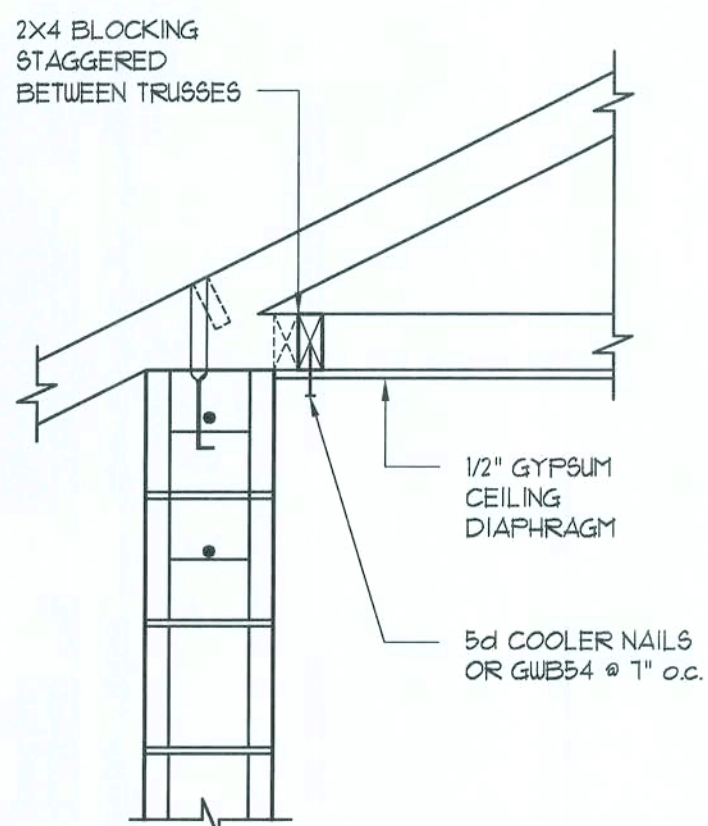


TYP. PERMANENT TRUSS BRACING DIA

NTS
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

Truss Bracing DETAILS

SCALE: AS NOTED

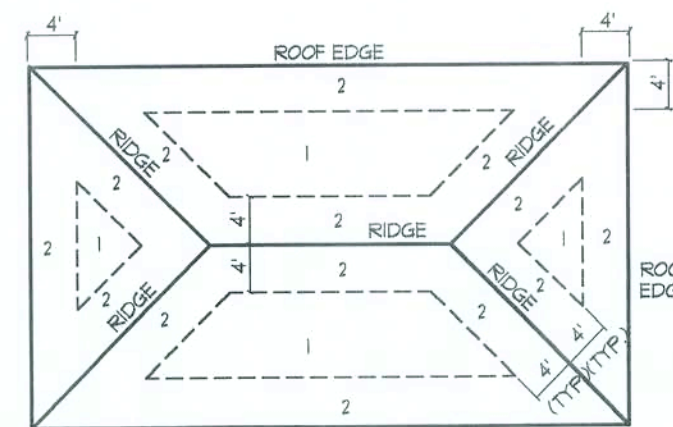


GYPSUM CEILING DIAPHRAGM
TO SIDEWALL CONNECTION

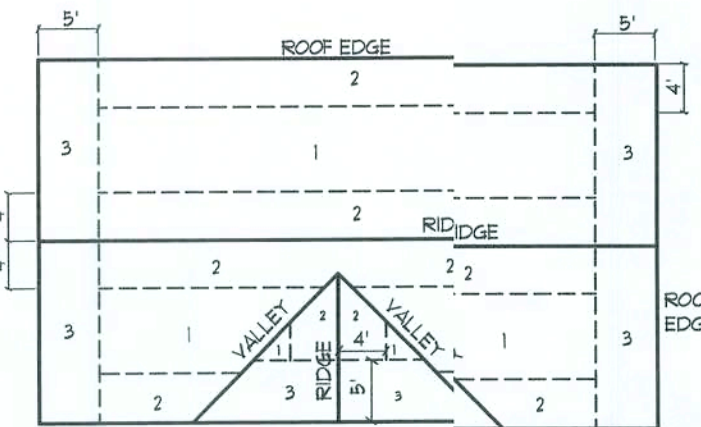
Roof Edge DETAIL

SCALE: NONE

| ROOF SHEATHING FASTENINGS | | | |
|---------------------------|-------------------------|--|---|
| NAILING ZONE | SHEATHING TYPE | FASTENER | SPACING |
| 1 | 1/8" O.S.B. OR 5/32 CDX | 8d COMMON OR 8d HOT DIPPT GALVANIZED BOX NAILS | 6 in. o.c. EDGE |
| 2 | | | 12 in. o.c. FIELD |
| 3 | | | 6 in. o.c. EDGE |
| | | | 4 in. o.c. GABLE ENDWALL OR GABLE TRUSS |
| | | | 6 in. o.c. EDGE |
| | | | 6 in. o.c. FIELD |



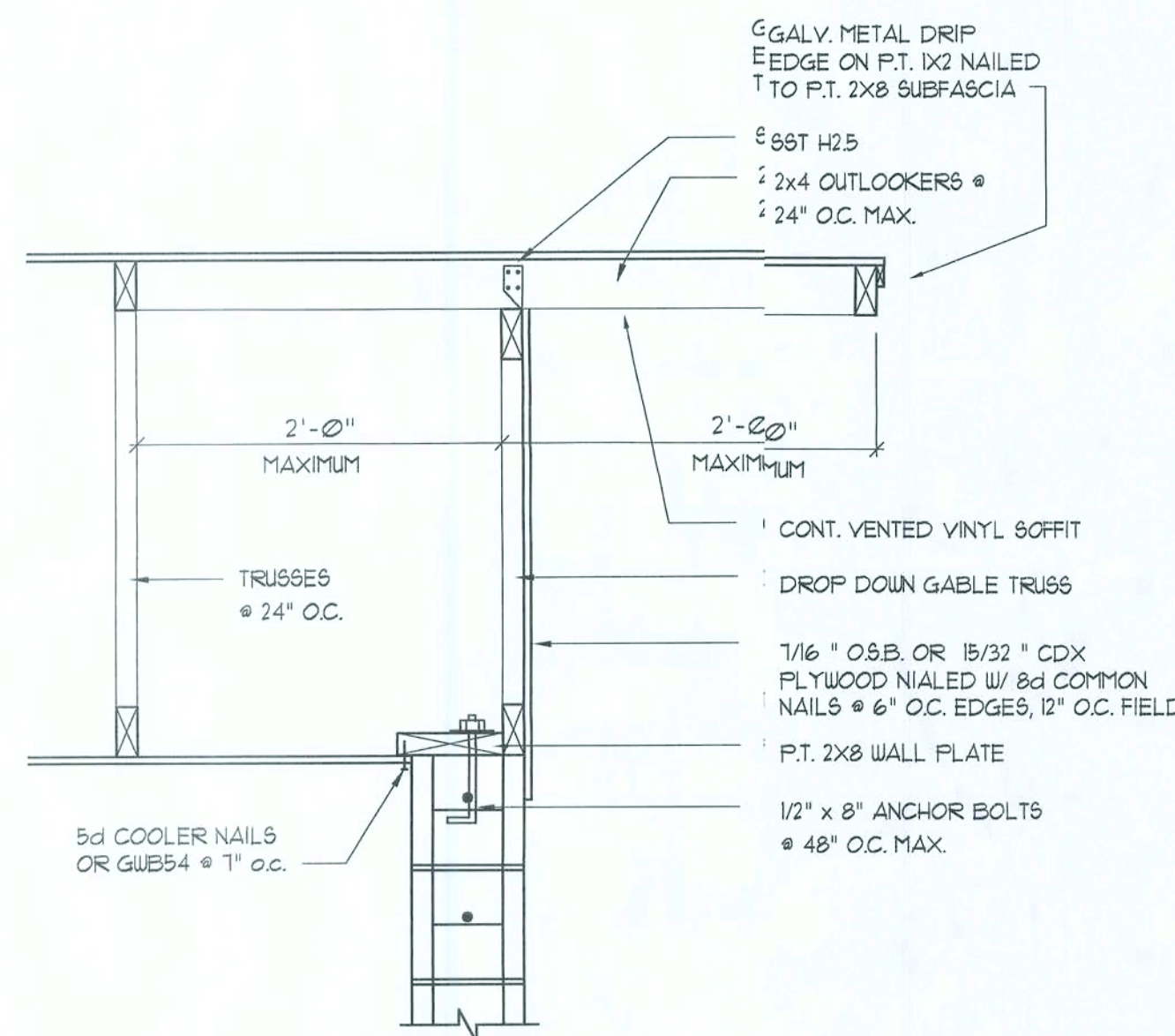
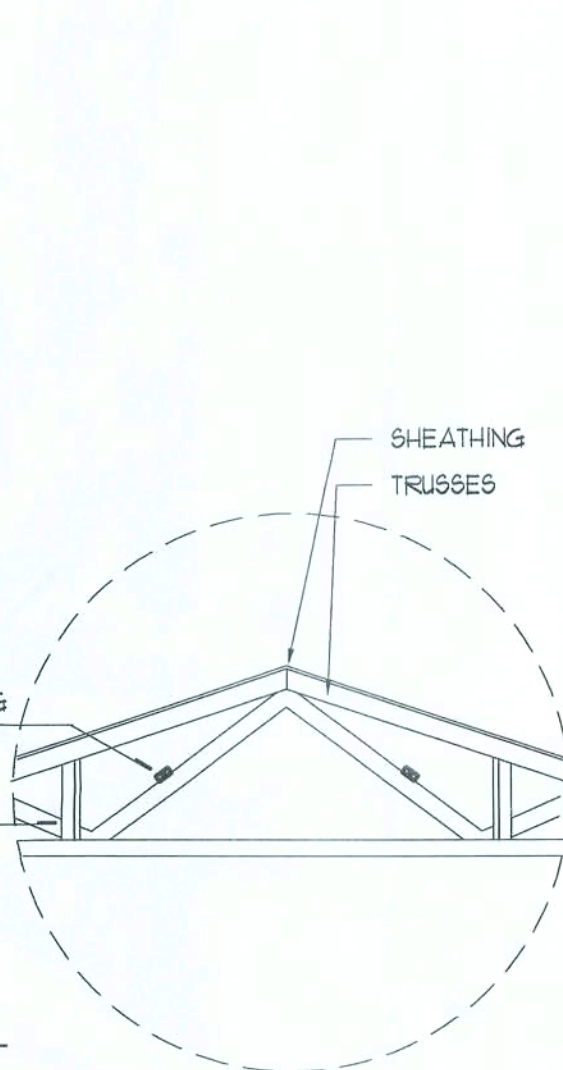
ROOF SHEATHING NAILING ZONES
(HIP ROOF)



ROOF SHEATHING NAILING ZONES
(GABLE ROOF)

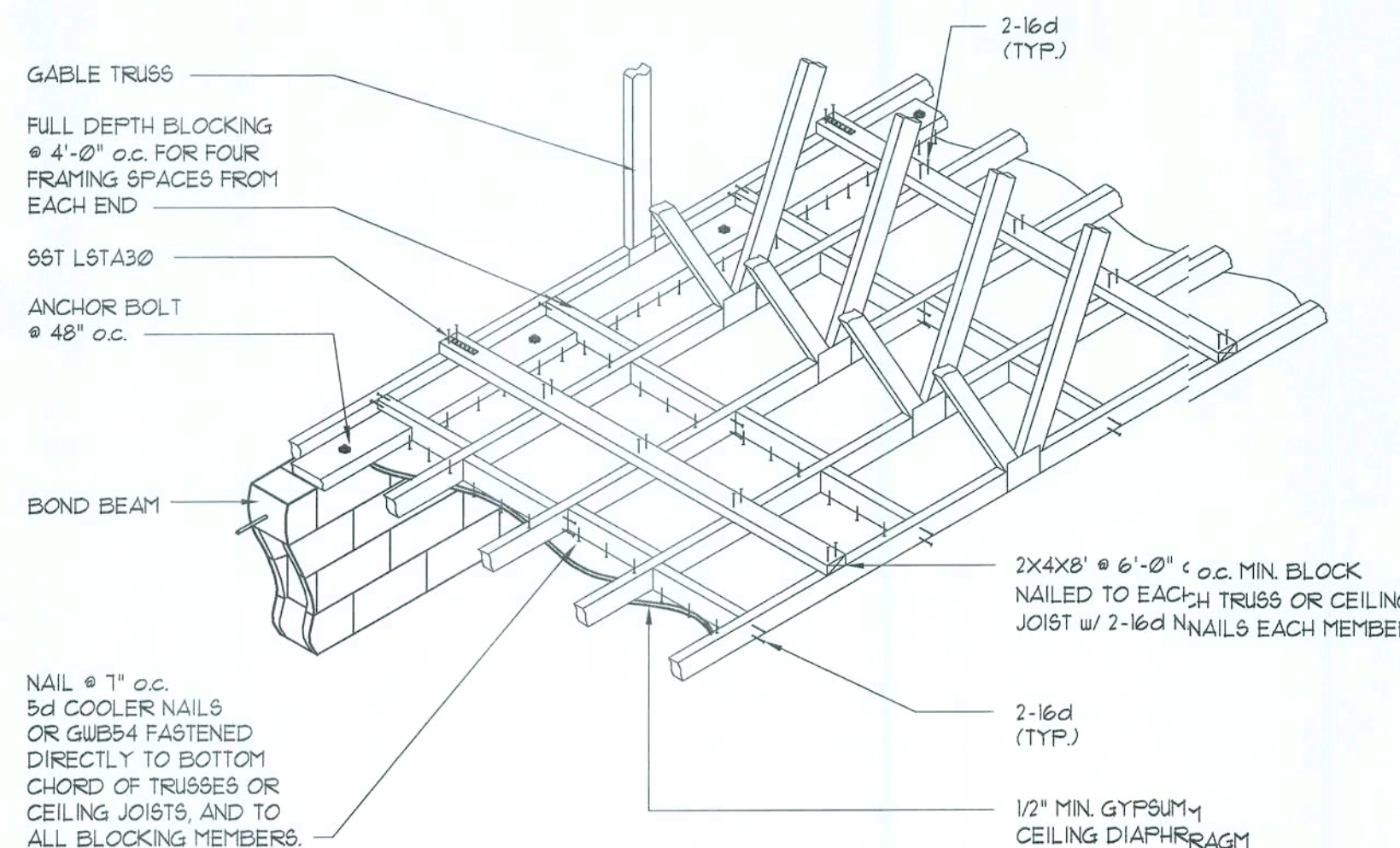
Roof Nail Pattern DET.

SCALE: NONE



Gable End DETAIL.

SCALE: NONE

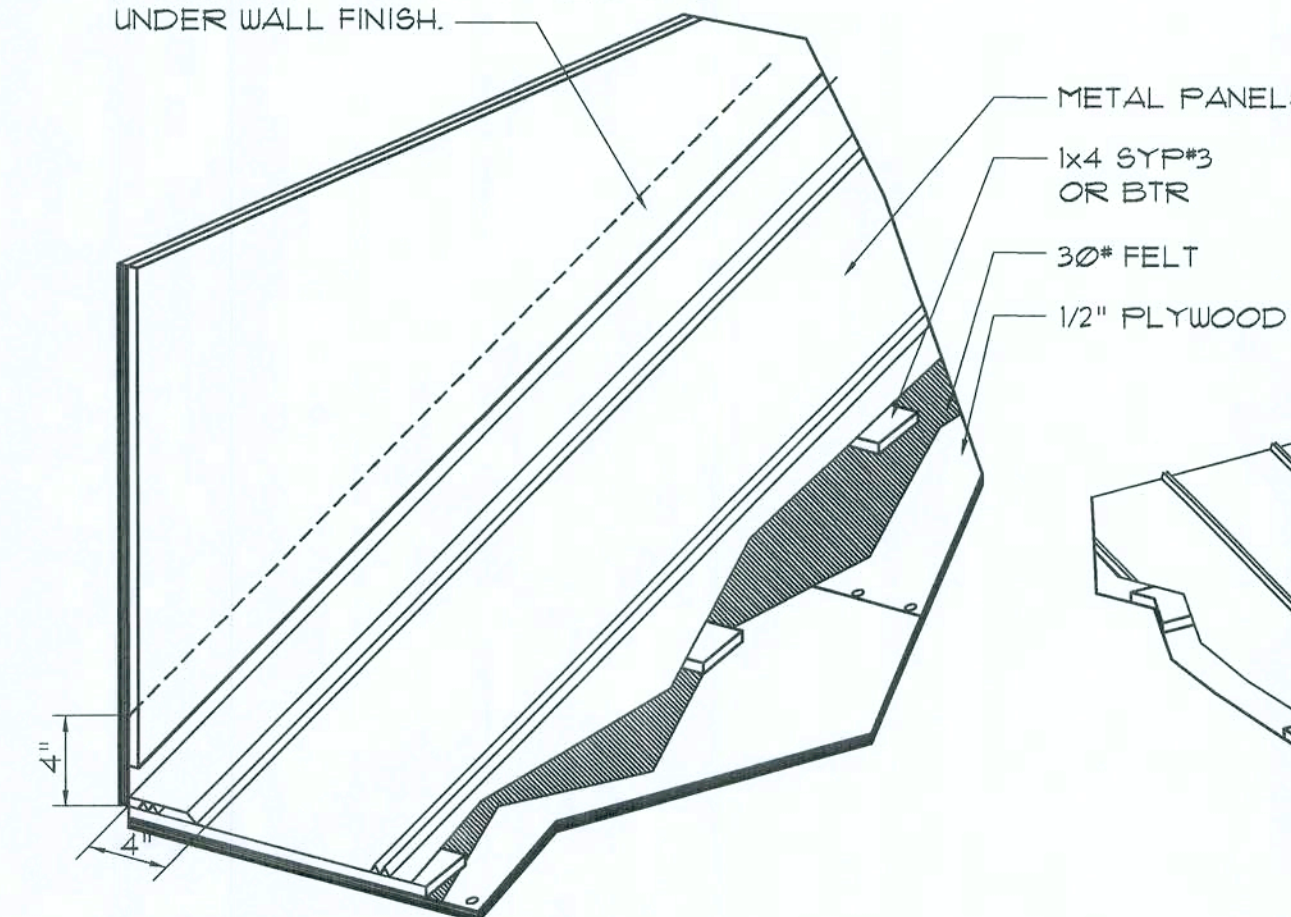


DIRECT TRUSS TO MASONRY CONNECTION ENDWALL FOR GYPSUM CEILING DIAPHRAGM

SCALE: NONE

| SM-RIB METAL ROOFING PANELS ALTERNATE FASTENER SCHEDULE FOR VARIOUS WIND VELOCITIES | | | | | | | | |
|--|---------------|------------------------|--------------------|--------------------------|-------------------|--------------------------|-------------------|--------------------------|
| MANUFACTURER'S RECOMMENDED FASTENER SCHEDULE FOR BUILDINGS W/ < 35' MEAN ROOF HEIGHT, MIN. 3/12 PITCH BASED ON ASCE 7-98, EXPOSURE "C" | | | | | | | | |
| ROOF ZONE | FASTENER TYPE | FASTENER SIZE | PLACEMENT TO | 100 - 110 O/C SPACING | 110 - 120 TRIM | 120 - 130 O/C SPACING | 130 - 140 TRIM | 140 - 150 O/C SPACING |
| 1 | WD. SCREW | #3 X 1 1/2" | WOOD | 36" | 18" | 24" | 12" | 24" |
| | MTL. SCR. | #12 X 1" #14 X 7/8" | < 18 GA > 18 GA | 36" | 18" | 24" | 12" | 24" |
| 2 & 3 | WD. SCREW | #3 X 1 1/2" | WOOD | 36" | 18" | 24" | 12" | 24" |
| | MTL. SCR. | #12 X 1" #14 X 7/8" | < 18 GA > 18 GA | 36" | 18" | 24" | 12" | 24" |

FLASHING PLACED UPSLOPE FROM
EXPOSED EDGE OF METAL PANEL
EXTENDING 4 INCHES OVER METAL
PANEL AND 4 INCHES UP VERTICAL
UNDER WALL FINISH.



SIDE WALL FLASHING

General Roofing NOTES:

DECK REQUIREMENTS:
METAL PANELS MUST BE FASTENED TO MIN. 1/2" CDX PLYWOOD.

SLOPE:
METAL PANELS SHALL BE USED ONLY ON ROOF SLOPES OF 3:12 OR GREATER TO INSURE PROPER DRAINAGE.

CAULKING:
MUST BE APPROVED BY THE MANUFACTURER, BUTYL SEALANT SUPPLIED IN TAPE OR GUN-GRADE FORM.

METAL PANEL:
METAL PANELS SHALL BE MIN. 26 GAUGE AND COMPLY WITH ASTM A-192 AND D 1-98 EXPOSURE C AS ADOPTED IN SOUTH FLORIDA.

FASTENERS:
FASTENERS FOR METAL PANELS SHALL BE GALVANIZED WOOD FAST SCREW, MINIMUM OF #3 X 1 1/2" HEX HEAD.

ATTACHMENT:
METAL PANELS SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN 24" O.C. WHERE ROOF IS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF METAL PANELS SHALL CONFORM WITH ASTM E 330 OR F.A. 125.

BASE AND CAP FLASHINGS:
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFG'S INSTALLATION INSTRUCTIONS.

- RC-1 - RIDGE CAP
- ED-1 - EAVE DRIP
- EF-3 - EAVE FLASHING
- SW-1 - SIDEWALL FLASHING
- EW-1 - ENDWALL FLASHING
- GR-4 - GABLE END OR RAKE BOARD FLASHING
- TF-1 - TRANSITION FLASHING
- PV-2 - PREFORMED VALLEY FLASHING
- BUTYL TAPE
- PIPEBOOT

UNDERLAYMENT APPLICATION:
FOR ROOF SLOPES FROM 3:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:
1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

FOR ROOF SLOPED 4:12 AND GREATER UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:
STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHINGS:
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFG'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 11 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

VALLEYS:
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ROOFING MATERIAL. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED:

- OPEN VALLEYS LINED WITH METAL: THE VALLEY LINING SHALL BE AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN REC TABLE 1507.13.2.
- OPEN VALLEYS: VALLEY LINING OF TWO PLIES OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
- CLOSED VALLEYS: VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
 - BOTH TYPES 1 AND 2 ABOVE, COMBINED.
 - ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.
 - SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE 4 COMPLYING WITH ASTM D 1910.

Metal Roofing DET.

SCALE: NONE

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NEW MOSQUE for:
ISLAMIC CENTER of LAKE CITY
COLUMBIA COUNTY, FLORIDA

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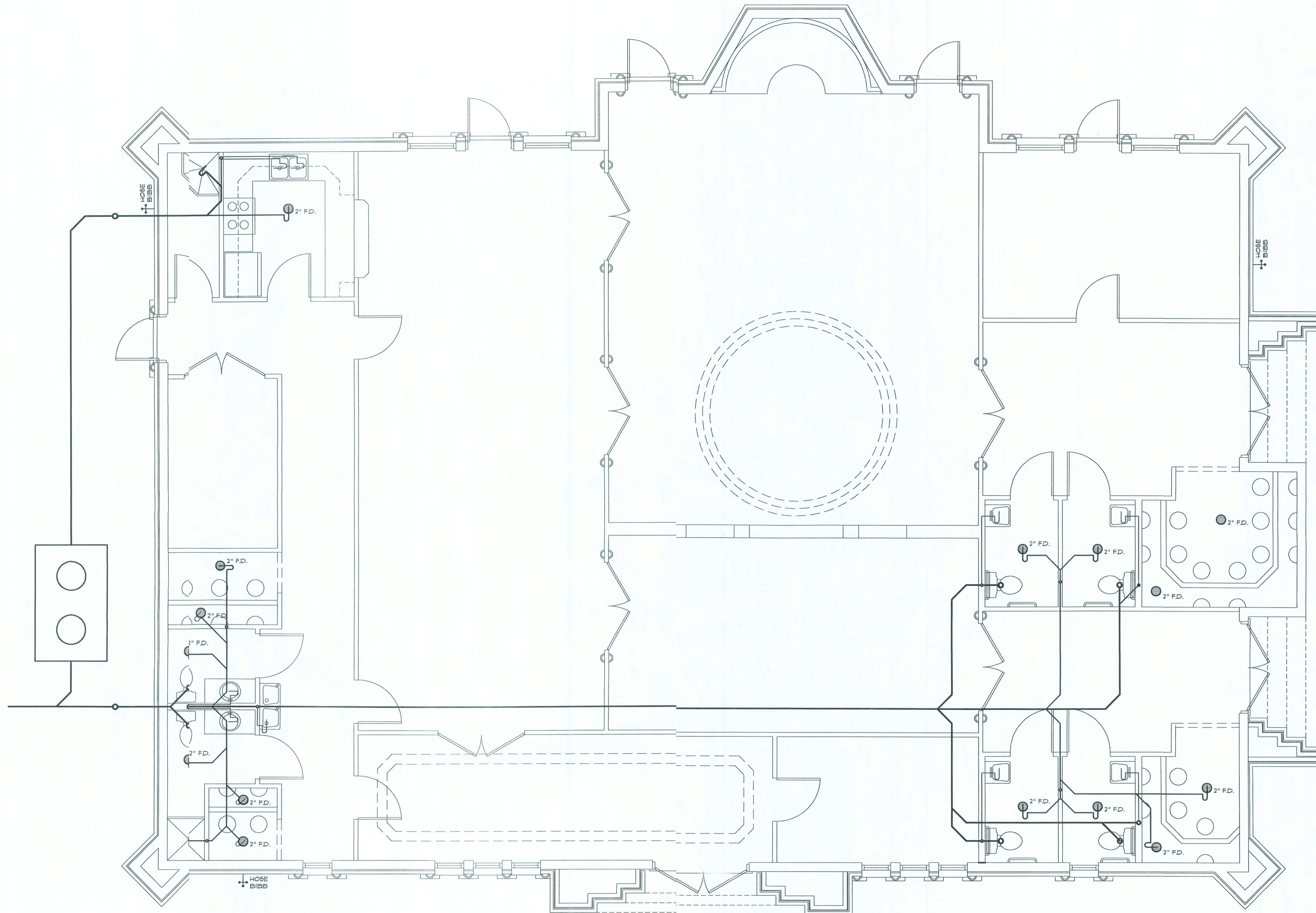
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18 of 25

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Plumbing PLAN

SCALE: 1/4" = 1'-0"

NOTE:
PROVIDE PLUMBING CLEAN-OUTS AT THE BASE OF ALL STACKS, A MAXIMUM OF 15' O.C. ALONG ALL MAIN DRAIN RUNS AND THE UP-STREAM ENDS OF MAIN DRAIN RUNS, WHERE THE MAIN BUILDING DRAIN EXITS THE BUILDING AND AT 15' INTERVALS TO THE DISPOSAL SITE.

NOTE:
PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS - PRIME EACH F.D. INDIVIDUALLY, DO NOT MANIFOLD

NOTE:
PLUMBING "AS-BUILT" DRAWINGS
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONTR' SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

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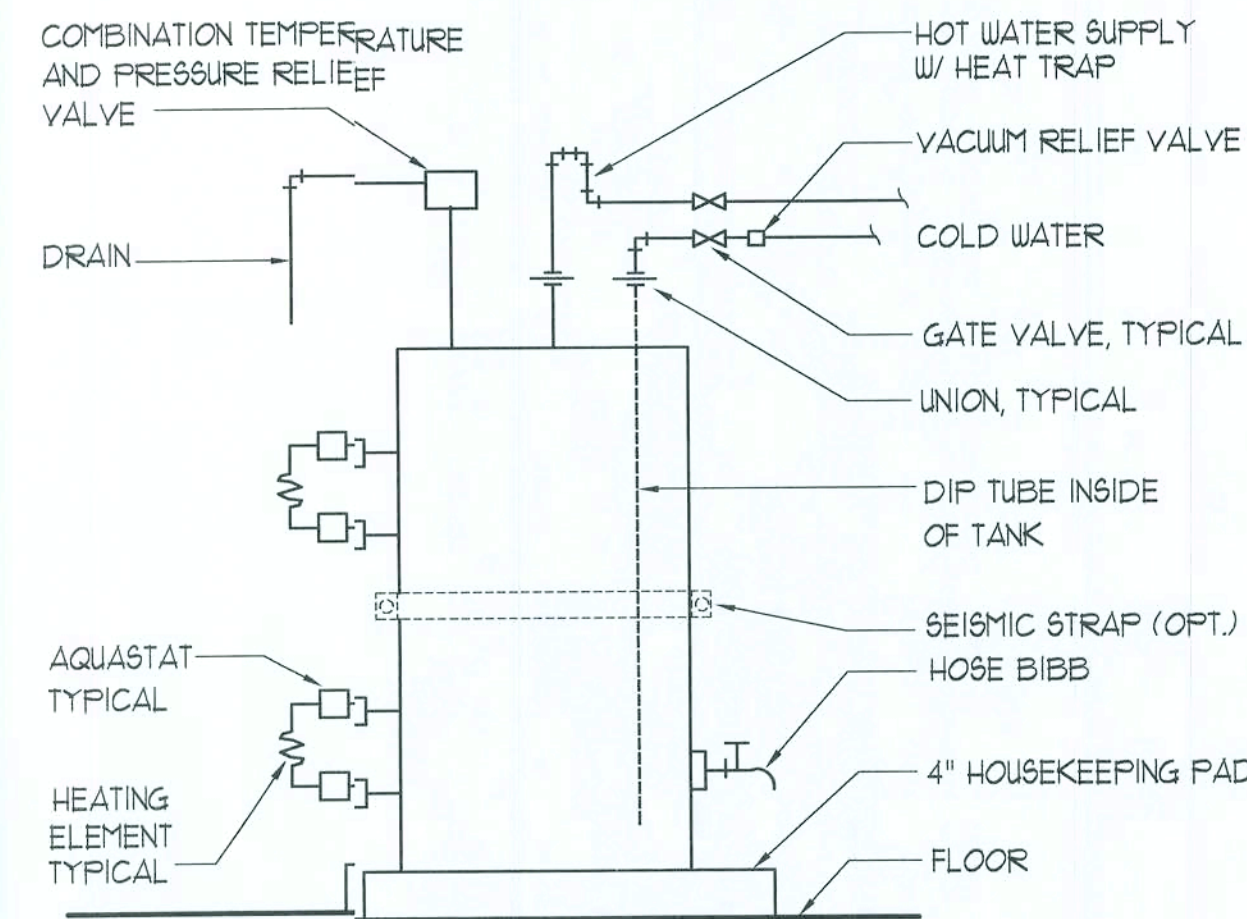
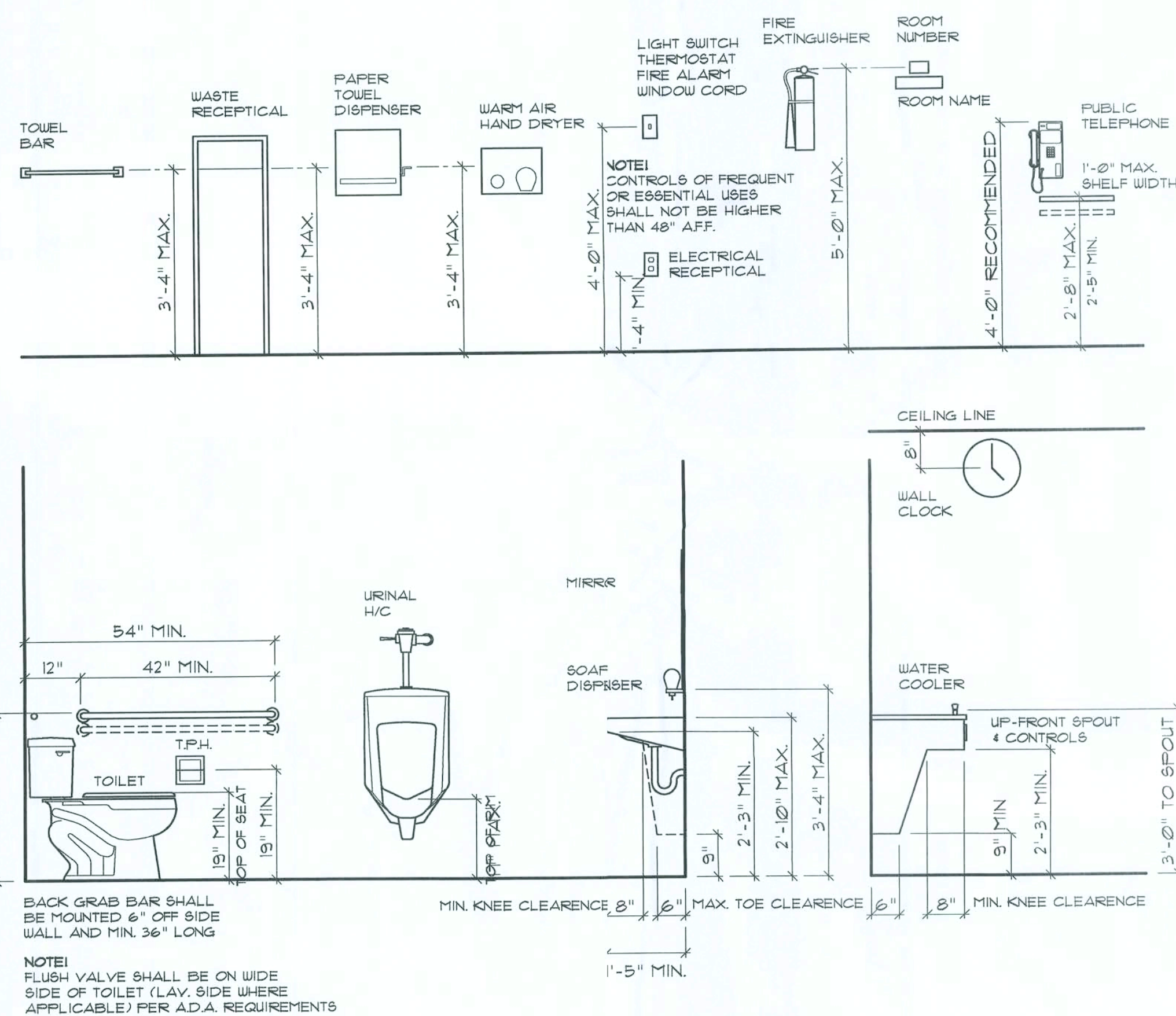
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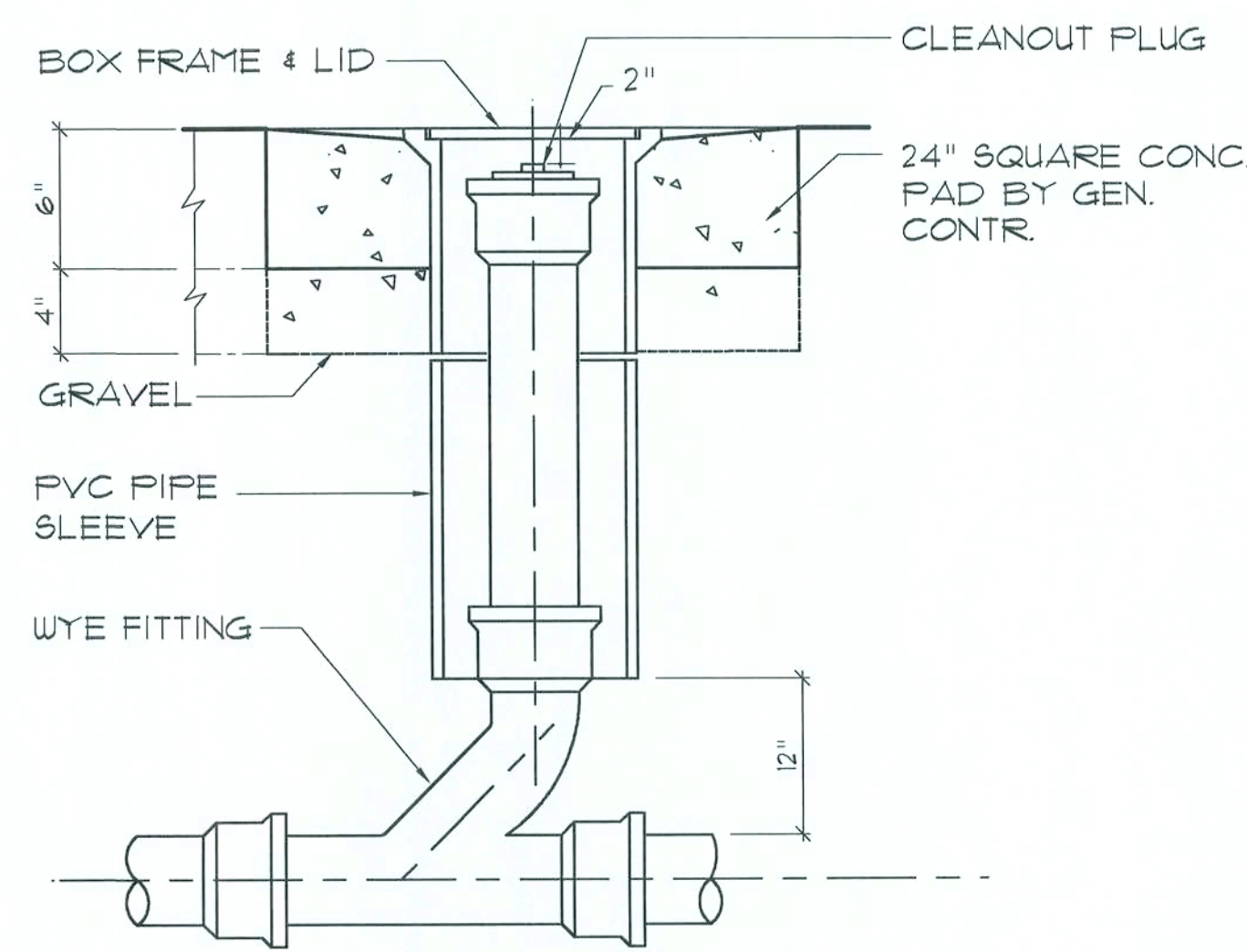
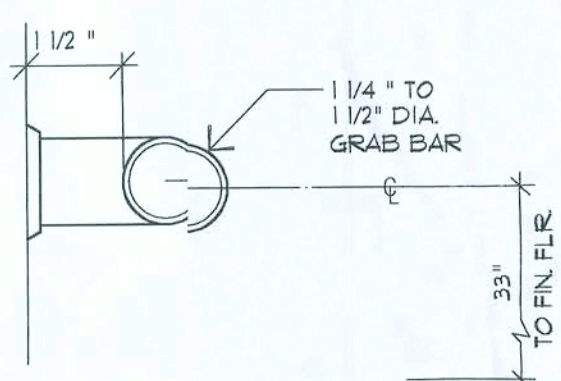
19 of 24

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| |
|---|
| <p>ADA NOTES: ACCESSIBILITY</p> <p>RESTROOM NOTES</p> <p>WATERCLOSETS: SHALL COMPLY WITH SEC. 4.16 OF ADA HEIGHT OF SEAT SHALL BE IN ACCORDANCE WITH SEC. 4.16.3 OF ADA FLUSH CONTROLS SHALL BE IN ACCORDANCE WITH SEC. 4.16.5 C ADA</p> <p>GRAB BARS: SHALL COMPLY WITH SEC. 4.16.4 OF ADA</p> <p>DISPENSERS: SHALL COMPLY WITH SEC. 4.16.6 OF ADA</p> <p>LAVATORIES, SINKS & MIRRORS: SHALL COMPLY W/ SECTION 4.19 C ADA HEIGHTS SHALL COMPLY WITH SEC. 4.19.2.1 OF ADA EXPOSED PIPES & SURFACES SHALL COMPLY W/ SECTION 4.19.4.7F ADA FAUCETS SHALL COMPLY WITH SEC. 4.19.5 OF ADA MIRRORS SHALL COMPLY WITH SEC. 4.19.6 OF ADA</p> <p>OWNER SELECTED MATERIAL AND INSTALLATION OF FINISH FLOORING MATERIALS TO COMPLY WITH THE FOLLOWING:</p> <p>SEC. 4.5 OF ADA SEC. 4.3 OF ADA APPLICABLE SECTIONS OF NFPA FIRE CODES APPLICABLE SECTIONS OF NFPA 101-LATEST LIFE SAFETY CODE</p> <p>FIXTURES, DEVICES AND RELATED HARDWARE NOT SPECIFICALLY DEFINED OR MENTIONED ELSEWHERE ARE TO BE OWNER SELECTED AND INSTALLED TO COMPLY WITH THE ABOVE APPLICABLE ADA SECTIONS.</p> |
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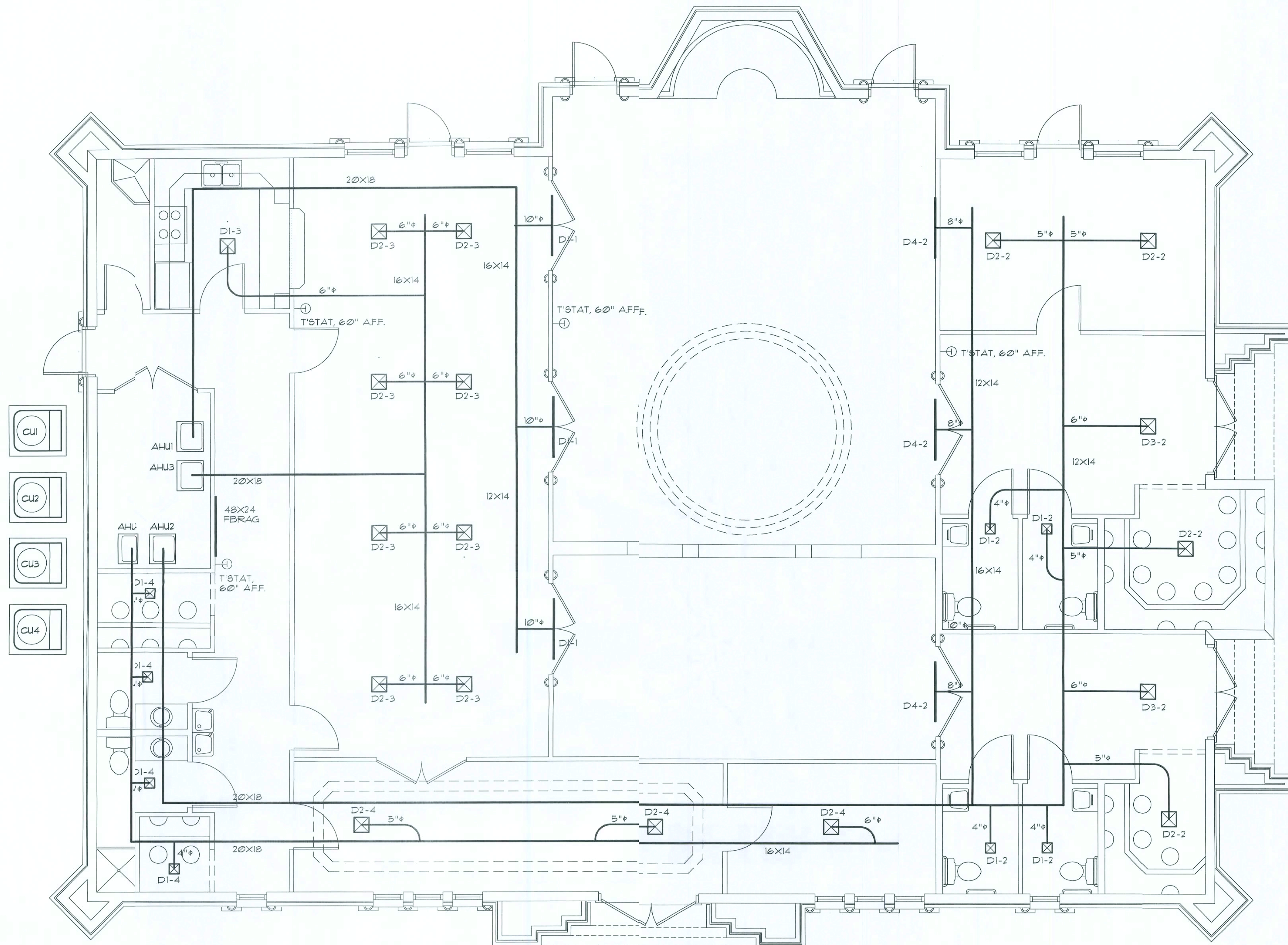


- GRAB BARS AT WATER CLOSET (S111A-9)
- ONE AT SIDE 42" LONG EXTENDING 34" IN FRONT OF WATER CLOSET, MOUNTED 33" ABOVE FLOOR.
 - BAR SHALL BE 1-1/4" TO 1-1/2" IN DIAMETER WITH 1-1/2" C CLEARANCE TO WALL.
 - BAR FASTENERS AND MOUNTING SUPPORT SHALL BE ABLE TO WITHSTAND 250 LBS. POINT LOAD IN BENDING, 5 SHEAR TENSION, ROTATION 1 IN FITTING NOT ALLOWED.
 - SURFACE C OF WALL ADJACENT TO GRAB BAR IS TO BE FREE OF SHARP OR ABRASIVE ELEMENTS



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PROVIDE EACH SYSTEM WITH:
1 1/8" SUCTION LINE
3/8" LIQUID LINE
3/4" PVC COND. DRAIN
2 CUFT WASHED ROCK DRYWELL



H.V.A.C. PLAN
SCALE 1/4" = 1'-0"

NOTE:
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE:
MOUNT COND. UNIT ON 4" THK. CONC. PAD, SIZED TO EXTEND 4' BEYOND EQUIPMENT, ALL AROUND, SECURE EQUIPMENT W/ 3/8" STRAPS & TEC SCREWS @ EACH CORNER.
REINF. SLAB W/ 6X6 10/140 WUM.

NOTE:
PROVIDE TURNING VANES @ DUCT TURNS & ADJ. EXTRACTORS @ ALL BRANCH DUCT TAPS

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NEW MOSQUE FOR:
ISLAMIC CENTER OF LAKE CITY
COLUMBIA COUNTY, FLORIDA

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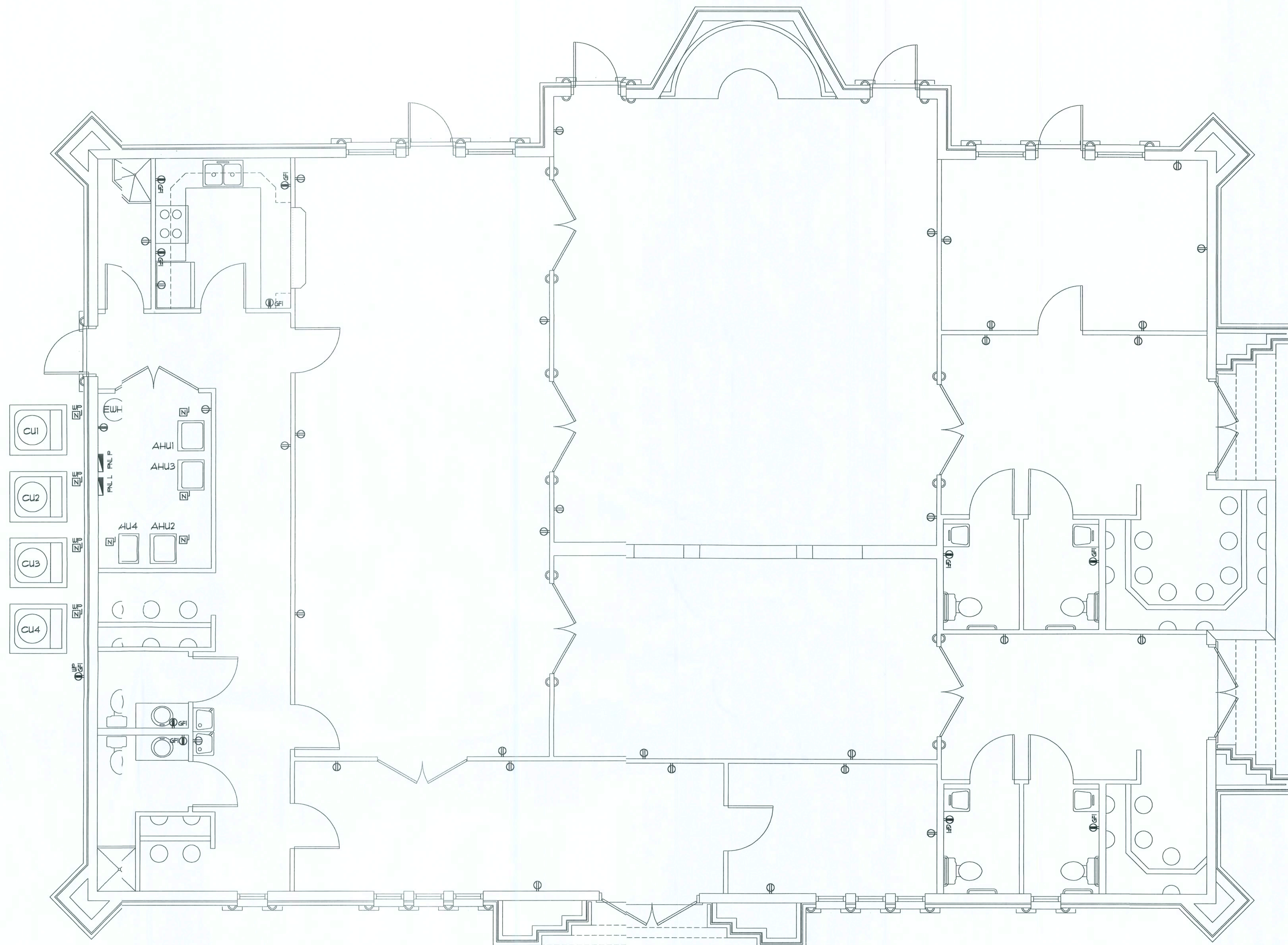
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Power PLAN
SCALE: 1/4" = 1'-0"

FIRE/INTRUSION ALARM SYSTEM

THIS FACILITY SHALL BE EQUIPPED WITH A SELF-CONTAINED FIRE ALARM - INTRUSION ALARM SYSTEM. THE OPERATION OF WHICH SHALL ALERT THE RESIDENT OCCUPANTS AND NOTIFY THE 911 EMERGENCY RESPONSE SYSTEM. EQUIPMENT AND SERVICE PROVIDER SHALL BE AS SELECTED BY THE OWNER. DETAILS OF INSTALLATION SHALL BE VIA SHOP DRAWINGS AND OPERATING FEATURES SHALL BE AS REQUIRED BY NFPA 101, 2003 EDITION, "LIFE SAFETY CODE" SECTION 40.3.4

INTERCOM SYSTEM

SUPPLY AND INSTALL AN INTERCOM SYSTEM WITH A MASTER CONTROL CABINET FEATURING AM/FM RADIO, AUDIO CD/MP3, AND 2-WAY VOICE COMMUNICATION. SATELLITE STATIONS SHALL BE LOCATED IN ALL ENTRY'S AND COMMON AREAS. THE MASTER CONTROL SHALL BE LOCATED IN THE IMAM'S OFFICE. ALL EQUIPMENT, DETAILS OF INSTALLATION AND OPERATING FEATURES SHALL BE PER THE MANUFACTURER'S REQMTS FOR "NUTONE" IM-4406 SYSTEM OR EQUAL. REFER TO COMPONENT LIST.

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DIAGRAM:

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NEW MOSQUE for:
ISLAMIC CENTER OF LAKE CITY
COLUMBIA COUNTY, FLORIDA

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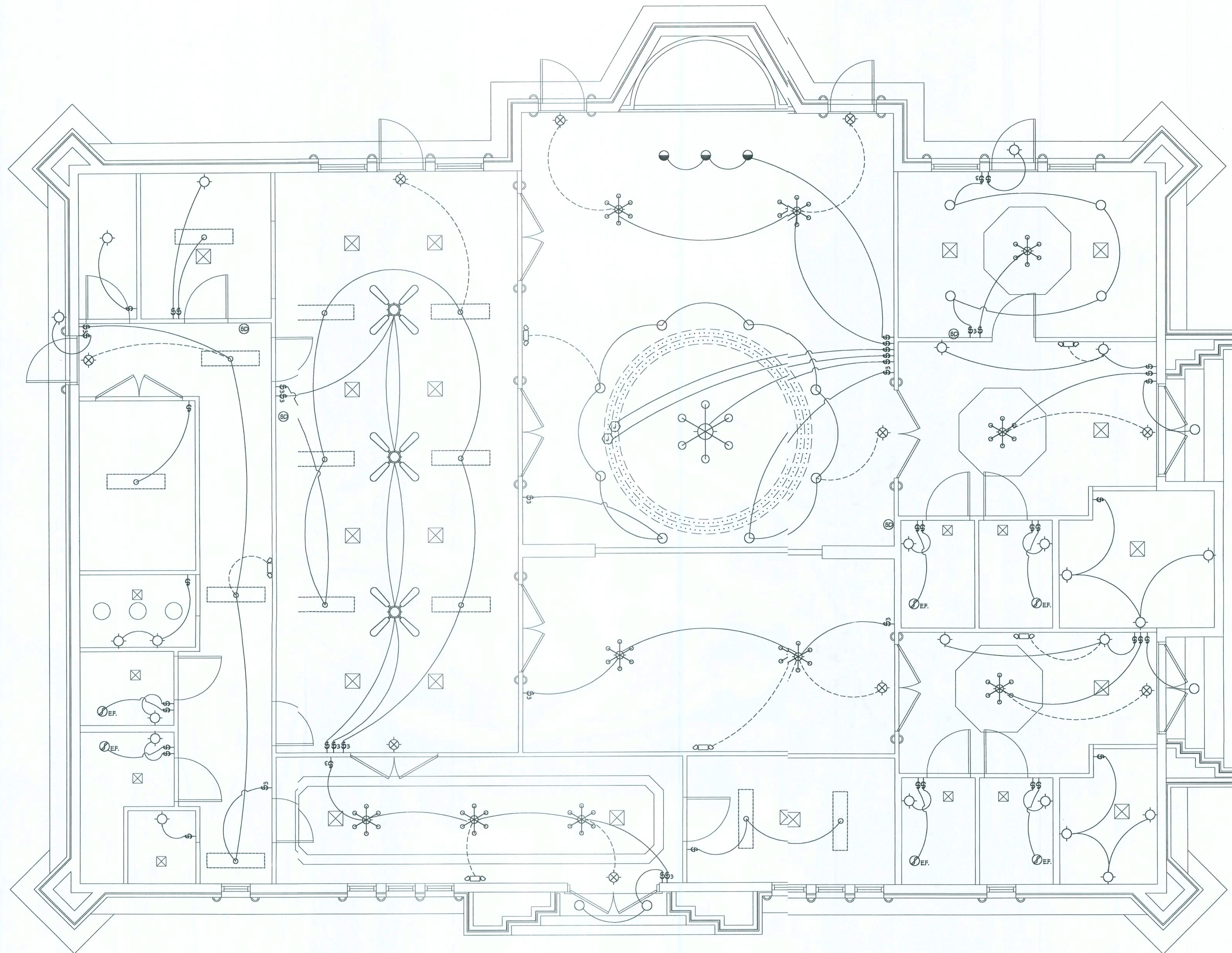
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22 OF 24

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Lighting PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL PLAN NOTES

WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.

CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.

ALL RECEPTALS IN BEDROOMS SHALL BE ON ARC FAULT INTERRUPTER CIRCUITS (AFCI).

INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.

ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.

TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT N., DESCRIPTION & BRKR. SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS. CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE!
EMERGENCY LIGHTING AND EXIT SIGNS, SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHAL, AND SHALL BE WIRED PER NEC 100-12F.

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DRAWN:

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NEW MOSQUE FOR
ISLAMIC CENTER OF LAKE CITY
COLUMBIA COUNTY, FLORIDA

NG
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Gainesville, FL 32605
352-755-9021
N.C.A.R.C. CERTIFIED

DATE

21DEC 2005

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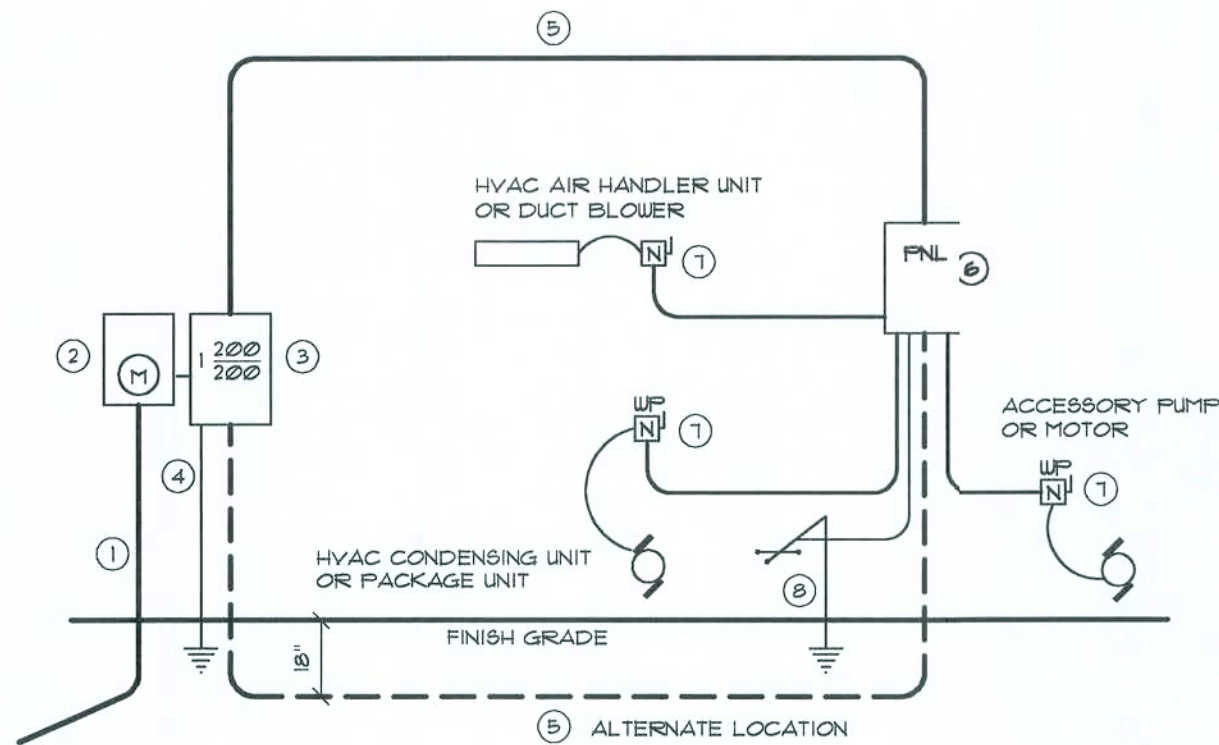
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23 OF 24

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- ① Service/Feeder Entrance Conductors: 2 1/2" rigid conduit, min 18" deep, w/ continuous Ground Bonding Conductor. Service Entrance Conductors shall not be spliced except that bolted connections at the Meter, Disconnecting Device and Frame shall be allowed.
- ② Meter Enclosure, weatherproof, UL Listed.
- ③ Main Disconnect Switch: fused or Main BRKR, weatherproof, UL Listed.
- ④ Service entrance Ground: 3/8" x Iron/Steel rod x 2'-0" long, and/or concrete encased foundation steel rebar x 20'-0" lg. Grounding Conductor shall be bonded to each piece of Service Entrance Equipment, and shall be sized per Item 5, below.
- ⑤ 400 AMPERE SERVICE: 3-#3 @ THW-Cu, 1-#4-Cu-GND, in 2 - 2 1/2" Conduits
- ⑥ House Panel (PNL), UL Listed, sized per schedule.
- ⑦ Equipment Disconnect Switch: non-fused, in weatherproof enclosure, size according to Panel Schedule loads.
- ⑧ Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.

NOTE:
THE MINIMUM AIC RATING FOR PANEL BOARD, BRKRS
AND DISCONNECT SWITCHES SHALL BE 22,000 AIC.

ELECTRICAL RISER DIAGRAM: 400A

SCALE: NONE

H.V.A.C. Equipment SCHEDULE

SCALE: NONE

| EQUIPMENT SPECIFICATION: EQUAL EQUIPMENT BY LISTED MFG'RS IS APPROVED: LENNOX, RHEEM, CARRIER, TRANE | | | | | | | | | | | | | |
|--|--------|------------------------------------|-------------|-----------|--|-------|------|-----|----------------|------|-----------|--------|---------|
| SYS. | MK | MOD | TOTAL COOL | SENSIBLE | HEATING | SEER | HSPF | ESP | KW | CFM | VOLTAGE | LIQUID | SUCTION |
| 1 - 3 | "RUUD" | CU: UFFA-060JA AHU: UBHK2BJINFY | > 53500 BTU | 41400 BTU | 41°F DB = 53500 BTU 11°F DB = 32000 BTU | 13.50 | 8.00 | 30" | 15.75 14.80 | 1950 | 240V - 1ø | 3/8"ø | 1 1/8"ø |
| 4 | "RUUD" | CU: UFFA-018JA AHU: UBHK08INFY | > 53500 BTU | 41400 BTU | 41°F DB = 19000 BTU 11°F DB = 13000 BTU | 14.00 | 8.00 | 30" | 5.58 10.80 | 600 | 240V - 1ø | 1/4"ø | 3/4"ø |

EQUIPMENT REQUIREMENTS

SYSTEM DESCRIPTION:

H.V.A.C. SYSTEM SHALL BE A SPLIT SYSTEM WITH AN O/S CONDENSING UNIT AND I/S AIR HANDLER. THE SYSTEM SHALL BE A HEAT PUMP CONFIGURATION.

NOTE: ELECTRICAL REQUIREMENTS, WIRING, FUSES, STARTERS AND CONTROLS SHALL BE AS REQUIRED BY THE MANUFACTURER FOR A COMPLETE & OPERATING SYSTEM. ACCESSORY ITEMS, IE: DRIERS, RECEIVERS, MOUNTING EQUIPMENT AND THE LIKE SHALL BE PART OF THE SYSTEM AS REQUIRED.

NOTE 1

H.V.A.C. CONTRACTOR SHALL PREPARE ENGINEERED SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOG, SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONTR SHALL PROVIDE 1 COPY OF SHOP DRAWINGS TO OWNER & 2 COPIES TO THE PERMIT ISSUING AUTHORITY.

DIFFUSER SCHEDULE Nr1: SYS. 1

| MK | CFM | SIZE | PATTERN | LOCATION |
|------|----------|-------|---------|----------|
| D1-1 | 650 CFM | 48X6 | 2W | WALL |
| RG1 | 1950 CFM | 24X24 | FB | WALL |

DIFFUSER SCHEDULE Nr1: SYS. 2

| MK | CFM | SIZE | PATTERN | LOCATION |
|------|----------|-------|---------|----------|
| D1-2 | 650 CFM | 8X8 | 2W | WALL |
| D2-2 | 100 CFM | 10X10 | 2W | WALL |
| D3-2 | 150 CFM | 12X12 | 2W | WALL |
| D4-2 | 350 CFM | 48X6 | 2W | WALL |
| RG1 | 1950 CFM | 24X24 | FB | WALL |

DIFFUSER SCHEDULE Nr1: SYS. 3

| MK | CFM | SIZE | PATTERN | LOCATION |
|------|----------|-------|---------|----------|
| D1-3 | 210 CFM | 12X12 | 4W | CEILING |
| D2-3 | 210 CFM | 12X12 | 4W | CEILING |
| RG1 | 1950 CFM | 24X24 | FB | WALL |

DIFFUSER SCHEDULE Nr1: SYS. 4

| MK | CFM | SIZE | PATTERN | LOCATION |
|------|----------|-------|---------|----------|
| D1-4 | 50 CFM | 6X6 | 1W | CEILING |
| D2-4 | 133 CFM | 8X8 | 4W | CEILING |
| RG1 | 2000 CFM | 24X24 | FB | WALL |

DUCTWORK

- DUCTWORK SHALL BE R42 FOIL FACED RIGID FIBER-GLASS OR R60 FOIL FACED RIGID FIBERGLASS IN ATTIC AREAS, FOR ALL MAIN TRUNK LINES W/ FOIL FACED FLEX DUCT FOR ALL BRANCH DROPS.
- ALL TURNING VANES, EXTRACTORS AND DAMPERS SHALL BE INCLUDED AND SHALL BE FABRICATED FROM GALV. SHEET METAL.
- ALL JOINTS IN DUCTWORK SHALL BE LAP SPLICED IN THE DIRECTION OF FLOW AND SEALED W/ FOIL FACED DUCT TAPE.

SUPPLY DIFFUSERS / RETURN GRILLES

- AIR DEVICES SHALL BE CONSTRUCTED OF ANODIZED ALUM. FOR ALL WALL AND CEILING LOCATIONS.
- DIFFUSERS SHALL HAVE OPERABLE DAMPERS W/ CURVED BLADE ADJUSTABLE VANES IN ALL WALL & CEILING APPLICATIONS, AND OPPOSED BLADE DAMPERS IN FLOOR LOCATIONS.
- RETURN AIR GRILLES SHALL BE CONSTRUCTED OF ANODIZED ALUM. FOR ALL WALL & CLG. LOCATIONS.
- RETURN AIR GRILLES SHALL HAVE AN OPERABLE FACE W/ A FILTER HOLDER INCLUDED.

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NEW MOSQUE for:
ISLAMIC CENTER of LAKE CITY
COLUMBIA COUNTY, FLORIDA

NICHOLAS GELSNER
ARCHITECT
N.C.A.A.B. CERTIFIED

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24 OF 24

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