

# TUSKAWILLA OPTOMETRY

LOT 6 WINTER SPRINGS, FL 32708

## PERMIT SET

## **OWNER**

VISION SOURCE OVIEDO 1020 Lockwood Blvd Oviedo FL 32765

dr\_dave@fishereyeassociates.com OFFICE: 407-462-3738

## **ARCHITECT**

ELEVEN18 Architecture 424 East Central Boulevard, # 542 Orlando, FL 32801

Mark Adams madams@eleven18architecture.com OFFICE: (407) 745-5300 DIRECT: (407) 756-2119 www.eleven18architecture.com

## **STRUCTURAL**

MK Structural Engineering 587 West Eau Gallie Blvd Suite 201 Melbourne, FL 32935

Michael A. Kalajian, PE OFFICE: 321.600.0672 ext. 4010 CEL: 321.794.5596

**MEP** 

PE-Services, LLC

Lebanon, OH 45036

CEL: 972-439-2658

Kevin@pe-services.com

OFFICE: 1-513-836-3810 Ext; 201

9 North Broadway

Kevin Rudolph

6200 Lee Vista Boulevard Suite 400 Orlando, FL 32822

Civil

James Herbert james.herbert@nv5.com OFFICE: 407.896.3317

THE ATTACHED DRAWING PACKAGE HAS BEEN TRANSMITTED AS A SINGLE DOCUMENT CONSISTING OF MULTIPLE, INTERRELATED COMPONENTS AND IN SOME CASE, DISCIPLINES. ANY SEPARATION AND/OR BREAKING APART OF ANY INDIVIDUAL COMPONENTS AND/OR DISCIPLINES OF THIS SINGLE DOCUMENT BY THE OWNER, GENERAL CONTRACTOR, AND/OR SUBCONTRACTOR FOR THE PURPOSES SUCH AS, BUT NOT LIMITED TO BIDDING. ESTIMATING. PERMITTING. ETC. IN NO WAY RELIEVES THE RECIPIENT OF THE ORIGINAL SINGLE DOCUMENT FROM BEING RESPONSIBLE FOR ALL INFORMATION CONTAINED WITHIN THE ORIGINAL SINGLE DOCUMENT IN SUCH ACTIVITIES. RECEIPT OF THESE DOCUMENTS CONSTITUTES ACCEPTANCE OF THESE TERMS AND CONDITION BY THE

- CONTRACTOR SHALL BE RESPONSIBLE FOR ISSUING COMPLETE SETS OF THE CONTRACT DOCUMENTS AND DESCRIPTION OF THE SCOPE OF WORK TO EACH OF THE SUBCONTRACTORS, PERSONS, OR ENTITIES FOR BIDDING, COORDINATION AND EXECUTION OF THEIR WORK.
- 3. ALL REFERENCES TO THE TERM 'CONTRACTOR' INCLUDE THE GENERAL CONTRACTOR AND SUBCONTRACTORS
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, FEES, INSPECTIONS AND APPROVALS BY LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT. PROVIDE COPIES OF ALL TRANSACTIONS TO OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THIS WORK.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR, AND HAVE CONTROL OVER ALL CONSTRUCTION MEANS, TECHNIQUES, PROCEDURES AND COORDINATION OF ALL PORTIONS OF THE WORK REQUIRED BY THE CONTRACT DOCUMENTS.
- 6. CONTRACTOR SHALL FULLY FAMILIARIZE HIMSELF WITH THE CONDITIONS OF THE CONTRACT, LOCAL CONDITIONS RELATING TO LOCATION, ACCESSIBILITY, AND GENERAL CHARACTER OF THE CONSTRUCTION SITE AND LOCAL LABOR CONDITIONS SO THAT HE/SHE UNDERSTANDS THE NATURE, EXTENT, DIFFICULTIES AND RESTRICTIONS RELATED TO THE EXECUTION OF THIS WORK.
- 7. G.C. IS RESPONSIBLE FOR CONNECTING UTILITY LINES TO THE BUILDING (REF. M/E/P/FP DRAWINGS).

## **GENERAL NOTES**

- ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND LOCAL RESTRICTIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK.
- NEITHER THE ARCHITECT NOR ANY OF THEIR CONSULTANTS HAVE EVALUATED THE SITE FOR EXISTING SOIL CONTAMINATION, HAZARDOUS MATERIAL OR TOXIC WASTE. THEREFORE THE ARCHITECT OR THEIR CONSULTANTS SHALL NOT BE HELD RESPONSIBLE FOR EXISTING CONTAMINATED, HAZARDOUS OR TOXIC CONDITIONS DISCOVERED AT THE
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES AND SERVICES, WHETHER SHOWN HEREIN OR NOT AND TO PROTECT THEM FROM DAMAGE THROUGHOUT THE COURSE OF THIS WORK. CONTRACTOR SHALL BEAR ALL EXPENSES OF REPAIR OR REPLACEMENT OF UTILITIES, SERVICES, OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE PERFORMANCE OF THIS
- THESE DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED TO THE ARCHITECT BY OTHERS. THEREFORE THE ARCHITECT SHALL NOT BE HELD RESPONSIBLE FOR ERRORS, OMISSIONS, CONFLICTS DEFICIENCIES OR INACCURACIES ARISING FROM DISCOVERY OF CONCEALED, UNKNOWN OR DIFFERING CONDITIONS AS A RESULT OF THIS CIRCUMSTANCE. CONTRACTOR SHOULD FULLY ACQUAINT HIMSELF WITH THE SITE AND FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO PERFORMING ANY WORK.
- CONTRACTOR SHALL REPORT TO THE ARCHITECT ANY ERRORS INCONSISTENCIES OR OMISSIONS HE MAY DISCOVER PRIOR TO PURCHASING, INSTALLATION AND/OR CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERRORS AT NO ADDITIONAL COST TO THE ARCHITECT OR OWNER ONCE WORK HAS COMMENCED. THE MEANS OF CORRECTING THESE ISSUES SHALL BE APPROVED BY THE OWNER.
- EXISTING CONDITIONS NOT A PART OF THIS PERMIT ARE INDICATED IN THE DRAWINGS AS A SCREENED OR HALF-TONED IMAGE.

ON DRAWINGS, CONTACT THE ARCHITECT.

DO NOT SCALE DRAWINGS. IF A DIMENSION IS UNCLEAR OR NOT MARKED

**ABBREVIATIONS** 

CONDITIONS, U.N.O. ANY DIMENSIONING TO FINISH IS NOTED AS SUCH. CENTERLINE DIMENSIONING IS SOMETIMES USED FOR STRUCTURAL GRID. WINDOW OPENING, FIXTURE LOCATION, ETC, AND IS INDICATED BY A & SYMBOL. ALL ANGLES SHOWN ARE MULTIPLES OF 45° U.N.O.

15. ALL DIMENSIONING IS TO THE FACE OF STRUCTURE, FRAMING, OR EXISTING

- 16. G.C. IS RESPONSIBLE FOR PROVIDING AND INSTALLING SITE LIGHTING, SIGNAGE LIGHTING, AND EXTERIOR BUILDING LIGHTING. (SEE SITE, CIVIL, AND ELECTRICAL DRAWINGS)
- 17. IF REQUIRED, CONTRACTOR SHALL CONTRACT WITH A SPECIALTY ENGINEER LICENSED IN THE STATE OF FLORIDA FOR DESIGNING AN AUTOMATIC SPRINKLER SYSTEM COMPLYING WITH ALL APPLICABLE CODES. G.C. SHALL SUBMIT SPRINKLER DESIGN AND LAYOUT TO OWNER AND ARCHITECT FOR REVIEW PRIOR TO PURCHASE, INSTALLATION AND/OR CONSTRUCTION.
- 8. ALL EXTERIOR ELEMENTS, ASSEMBLIES, GLAZING, GLAZING SYSTEMS AND COMPONENTS INCLUDING CLADDING AND CONNECTIONS USED ON THIS WORK, SHALL MEET THE DESIGN WIND PRESSURES SPECIFIED IN COMPLIANCE WITH FBC 1609.1.2. CONTRACTOR SHALL PROVIDE WINDOW AND DOOR MANUFACTURERS TEST REPORTS AND INSTALLATION DETAILS AS PART OF PERMIT SUBMITTAL DOCUMENTATION. SUBMIT SHOP DWGS. OF ALL DOORS AND HARDWARE TO ARCHITECT FOR REVIEW.
- 19. G.C. SHALL KEEP A COPY OF THE SOILS REPORT ON SITE. ALL CONSTRUCTION WORK SHALL COMPLY WITH ITS RECOMMENDATIONS A
- 20. THE LANDLORD WORK LETTERS DATED X-X-X, (INCLUDED HEREIN, REF. SHEETS \_\_\_\_\_) ARE CONSIDERED PART OF THIS WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE HIM/HERSELF WITH THE REQUIREMENTS OUTLINED THEREIN. PRIOR TO BEGINNING WORK, NOTIFY ARCHITECT OF ANY CONFLICTS BETWEEN THESE DOCUMENTS.

## ARCHITECT'S STATEMENT OF FACT

BY SIGNING AND SEALING THIS DRAWING, THE ARCHITECT ACKNOWLEDGES THAT TO THE BEST OF HIS/HER KNOWLEDGE, THESE DRAWINGS AND THE PROPOSED WORK COMPLY WITH THE MINIMUM APPLICABLE BUILDING CODES AND FIRE SAFETY REGULATIONS AS DETERMINED BY THE LOCAL AUTHORITY

#### NUMBERED BY DOOR DOOR TYPE (REFER TO SCHEDULE) WINDOW TYPE (REFER TO SCHEDULE 0 REF.NO. — (000) ROOM NAME ROOM NAME ROOM NAME 123 (NUMBER) STRUCTURAL GRID NUMBERED LEFT TO RIGHT LETTERED BOTTOM TO TOP (COLUMN LINE) ELEVATION DESCRIPTION ELEVATION TARGET WALL/PARTITION LETTERED BY TYPE (REFER TO SCHEDULE) **EXTERIOR** - DRAWING NO. **ELEVATIONS** - SHEET NO. **BUILDING CUT** SECTION CUT 00 DRAWING NO. DETAIL A000 A000 SHEET NO. SECTION **ENLARGED** A000 DETAIL — SHEET NO. DRAWING NO. INTERIOR

**SYMBOLS LEGEND** 

## 00 TRAWING NO. ENLARGED CIVIL / LANDSCAPE **ELEVATIONS** REVISION -<u>⊂1-</u> REVISION CLOUD

## OTHER / RESERVED

#### VARIES VB VINYL BASE VCT VINYL COMPOSITION TILE VERT VERTICAL VIF VERIFY IN FEILD

WXY	<b>z</b>
W	WEST/WIDE
W/	WITH
WBM	WATERPROOF BREATHABLE
VVDIVI	MEMBRANE
WC	WATER CLOSET
WD	WOOD
W/D	WASHER/DRYER COMBO
W/O	WITHOUT
WH	WATER HEATER
WP	WATER PROOF

WWF WELDED WIRE FABRIC

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**ENERGY CODE COMPLIANCE** 

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UL DETAILS

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A004

A005

A301

A302

1011 E. COLONIAL DR #307 ORLANDO, FLORIDA 32803 Ph. (407) 745-5300

Plans Prepared By

CPH, LLC.

State of Florida Licenses Architect No. AA2600926 Engineer No. 3215 Landscape No. LC000029 Surveyor No. 7143



KNOWLEDGE, INFORMATION, AND BELIEF, THIS DESIGN IS IN COMPLIANCE WITH APPLICABLE CODES AND LAWS

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**Job No.:** | 201.1118054.000

CONSTRUCTION WITHOUT COMPLET SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND

**A000** 

ADJUST ADJUSTABLE ABOVE FINISH FLOOR ALTERNATE ALUM ALUMINUM ANODIZED PPRX APPROXIMATE ARCH ARCHITECTURAL ATWA ALL THE WAY AROUND

Permit #: Date: 12/21/ City of Winte

AUTO AUTOMATIC AVERAGE **BOTTOM OF** BD pri BOARD BLDG BUILDING BEAM BEARING BTWN BETWEEN

BOTH WAYS

ACOUSTIC CEILING TILE

AREA DRAIN

ADJACENT

heraBuddies

CATCH BASIN AMERICANS W/ DISABILITIES ACT CCB CEMENT BACKER BOARD CONTROL JOIN CJ CENTER LINE CLNG CEILING CLO CLOSET CLR CLEAR CMU CO COL COLUMN CPT CT CTR CENTER

DIM

CAB

CB

CABINET

**VICINITY MAP** 

CONCRETE MASONRY UNIT CLEAN-OUT CONC CONCRETE CONST CONSTRUCTION CONT CONTINUOUS CONTR CONTRACTOR CERAMIC TILE DOUBLE DF DRINKING FOUNTAIN DIA DIAMETER DIFF DIFFUSER

DIMENSION

DR DOOR DOWNSPOUT DETAIL DTL DISHWASHER DWG DRAWING DWR DRAWER EAST **EXISTING** EACH SYSTEM

ETR EXISTING TO REMAIN

EXT EXTERIOR

EWC ELECTRICAL WATER COOLER

**EXTERIOR INSULATION & FINISH** EXPANSION JOINT ELEC ELECTRICAL EMER EMERGENCY ENCL ENCLOSURE EPS EXPANDED POLYSTYRENE EQ EQUAL EQUIP EQUIPMENT

FIRE CODE FLOOR DRAIN FDN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FFE FIN FLOOR ELEVATION FIXTURE FLOUR FLOURESCENT FOF FACE OF FINISH FEET FOOTING FUT **FUTURE** 

GWB GYPSUM WALL BOARD

FIRE RETARDANT TREATED GAUGE GALV GALVANIZED GB GRAB BAR GENERAL CONTRACTOR JST GENERAL GLASS FIBER REINFORCED CONCRETE GLASS GRADE LAV LAVATORY

HORZ HORIZONTAL HORSE POWER HEIGHT HEATING ,VENTILATION & AIR CONDITIONING INCHES INSUL INSULATION INTERIOR INT INSIDE-TO-INSIDE(DIM) JANITOR JOINT JOIST

KITCHEN

LAMINATED

**HOSE BIBB** 

HANDICAPPED

HOLLOW METAL

MAX MAXIMUM MECH MECHANICAL/MECHANICALLY MEMB MEMBRANE MFR MANUFACTURER MISC MISCELLANEOUS MH MANHOLE MLDG MOLDING MLWK MILLWORK MO MASONRY OPENING MTG MOUNTING MTL METAL N/A NOT APPLICABLE NIC NOT IN CONTRACT NO NUMBER NOM NOMINAL

LLV LONG LEG VERTICAL

LT LIGHT

LVR LOUVER

MAS MASONRY

OFS OVERFLOW SCUPPER OPNG OPENING OPP OPPOSITE O-T-O OUTSIDE-TO-OUTSIDE(DIM) POWER ACTUATED FASTENER PRE-ENGINEERED METAL BUILDING PH PRE HUNG P-LAM PLASTIC LAMINATE PL PLATE OR PROPERTY LINE

ON CENTER

OD

OVERFLOW DRAIN

PLYWD PLYWOOD PR PAIR PREC PRECAST PREFAB PREFABRICATED PROJ PROJECT PROP PROPERTY PT PRESSURE TREATED PVC POLYVINYL CHLORIDE

RQMTS REQUIREMENTS SOUTH SELF ADHERED SOLID CORE SCHED SCHEDULE SECT SECTION SQUARE FOOT/FEET

QTY QUANTITY

REQ'D REQUIRED

RCP

RD

REV

RADIUS OR RISER

REFLECTED CEILING PLAN

REFRIGERATOR/FREEZER

REINF REINFORCED (REINFORCING)

REVISED/REVISION

RIGHT HAND

ROUGH OPENING

ROOM

RTU ROOF TOP UNIT

RUBBER BASE

ROOF DRAIN

TREAD TOP OF \_ TEMP TEMPORARY TEMP TEMPERED GLASS TER **TERRAZZO** TS TUBE STEEL TYP TYPICAL

SPEC SPECIFICATION

SQUARE

STANDARD

STEEL

STN STAINED

STOR STORAGE

STRUCT STRUCTURAL

SUSP SUSPENDED

SEMI RECESSED

STAINLESS STEEL

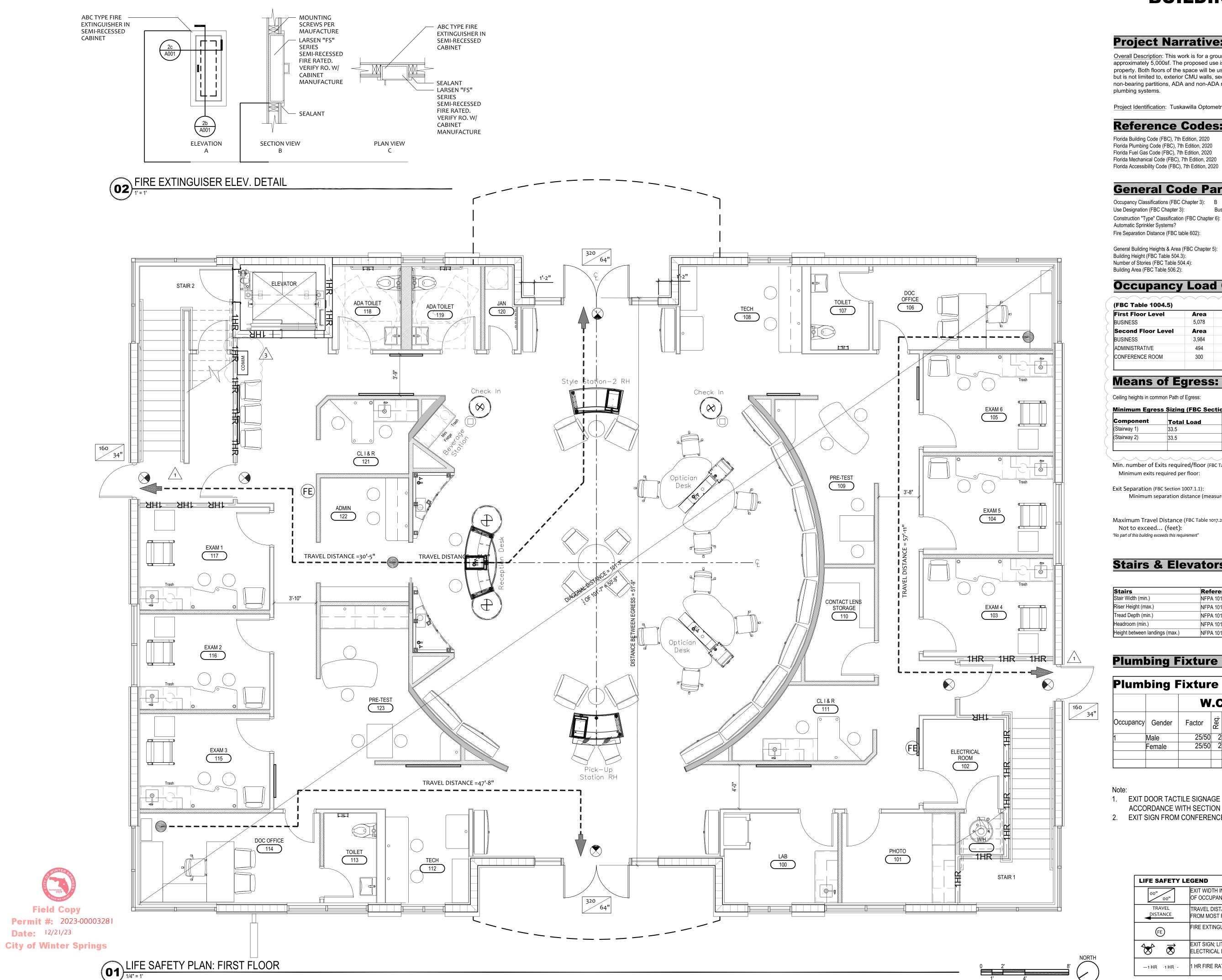
SQ

STD

STL

TONGUE & GROOVE SFRM SPRAY FIRE RESISTIVE MATERIAL UNO UNLESSS NOTED OTHERWISE

WRB WEATHER RESISTANT BARRIER WWM WELDED WIRE MESH XPS EXTRUDED POLYSTYRENE



Date: 12/21/23

## **BUILDING CODE ANALYSIS**

## **Project Narrative:**

Overall Description: This work is for a ground up construction of a new 2 story building with a footprint of approximately 5,000sf. The proposed use is a business occupancy, which is consistent with the zoning of the property. Both floors of the space will be used as an optometry facility. The proposed scope of work includes, but is not limited to, exterior CMU walls, second floor concrete slab, roof structure, interior metal framed non-bearing partitions, ADA and non-ADA restrooms, millwork, ACT ceilings, and mechanical, electrical, and

Project Identification: Tuskawilla Optometry, Lot 6, Winter Springs, FL 32708

## **Reference Codes:**

Florida Building Code (FBC), 7th Edition, 2020 Florida Plumbing Code (FBC), 7th Edition, 2020 Florida Fuel Gas Code (FBC), 7th Edition, 2020 Florida Mechanical Code (FBC), 7th Edition, 2020 Florida Energy Code (FBC), 7th Edition, 2020 Florida Fire Protection Code (FBC), 7th Edition, 2020 National Fire Protection Association, NFPA 72, 2016 National Fire Protection Association, NFPA 1 Fire Code, 2018 National Fire Protection Association, NFPA 101 Fire Code, 2018 National Electric Code, 2017

Actual 39'-4"

Actual 10,156 SF

Actual 2

## **General Code Parameters:**

Occupancy Classifications (FBC Chapter 3): B Use Designation (FBC Chapter 3): Construction "Type" Classification (FBC Chapter 6): II-B Automatic Sprinkler Systems?

Fire Separation Distance (FBC table 602): Distance:  $10 \le X < 30$ 

General Building Heights & Area (FBC Chapter 5): Building Height (FBC Table 504.3):

Max. allowed 55'-0" Number of Stories (FBC Table 504.4): Max. allowed 3 Building Area (FBC Table 506.2): Max. allowed 23,000 SF

## Occupancy Load Calculation:

First Floor Level	Area	Load Factor	Occupant Load	Total
BUSINESS	5,078	150 / Person	34	34
Second Floor Level	Area	Load Factor	Occupant Load	Totals
BUSINESS	3,984	150 / Person	28	28
ADMINISTRATIVE	494	15 / Person	33	33
CONFERENCE ROOM	300	50 / Person	6	6
				101

## **Means of Egress:**

Ceiling heights in common Path of Egress:

Minimum Egress Sizing (FBC Section 1005

Component	Total Load	Capacity Factor	Required	Provided
(Stairway 1)	33.5	@ 0.3"/occupant	10 inches	48 inches
(Stairway 2)	33.5	@ 0.3"/occupant	10 inches	48 inches

Min. number of Exits required/floor (FBC Table 1006.3.2): Required Minimum exits required per floor:

Exit Separation (FBC Section 1007.1.1): Minimum separation distance (measured diagonally): 50'-9"

Maximum Travel Distance (FBC Table 1017.2): Not to exceed... (feet): ( 145 ) "No part of this building exceeds this requirement"

## Stairs & Elevators:

Stairs	Reference	Required	Provided
Stair Width (min.)	NFPA 101 Table 7.2.2.2.1.2		4'-0
Riser Height (max.)	NFPA 101 Table 7.2.2.2.1.1	0'-7	7" 0'-7
Tread Depth (min.)	NFPA 101 Table 7.2.2.2.1.1	0'-1	1" 0'-11
Headroom (min.)	NFPA 101 Table 7.2.2.2.1.1	6'-8	3" 21'-0
Height between landings (max.)	NFPA 101 Table 7.2.2.2.1.1	12'-(	)" 8'-9

## Plumbing Fixture Calculations:

## Plumbing Fixture Calculations: (FBC Table 2902.1), (FPC Table 403.1)

		W	.C	-	L	1	7_	D	).F	₹.	S	S.S	<b>)</b>
Occupancy	Gender	Factor	Req.	Prov.									
1	Male	25/50	2	2	40/80	1	2	1/100	1	2	1 req.	1	2
	Female	25/50	2	2	40/80	1	2						

1. EXIT DOOR TACTILE SIGNAGE SHALL BE PROVIDED AT EACH EXIT DOOR IN ACCORDANCE WITH SECTION 7.101.3, NFPA 101, 2018 EDITION.

2. EXIT SIGN FROM CONFERENCE ROOM SHALL BY PROVIDED, NFPA 101,7.2

LIFE SAFETY I	EGEND
00"	EXIT WIDTH INDICATOR (SHOWING CLEAR WIDTH OF OPENING AND NUMBER OF OCCUPANTS THAT CLEAR WIDTH CAN SERVE PER CODE)
TRAVEL DISTANCE	TRAVEL DISTANCE INDICATOR (SHOWING EXIT ACCESS TRAVEL DISTANCE FROM MOST REMOTE POINTS IN EACH AREA)
FE	FIRE EXTINGUISHER (5LBS 2A/ 10B/C) IN SEMI-RECESSED CABINET
₩ 🕏	EXIT SIGN; LITHONIA QUANTUM SERIES OR APPROVED EQUAL (SEE ELECTRICAL DWGS)
—1 HR →1 HR -	1 HR FIRE RATING WALL



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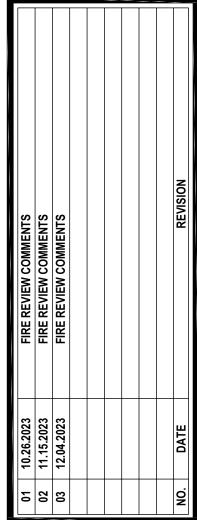
Plans Prepared By :

CPH, LLC. State of Florida Licenses: Architect No. AA2600926 Engineer No. 3215 Landscape No. LC0000298

Surveyor No. 7143

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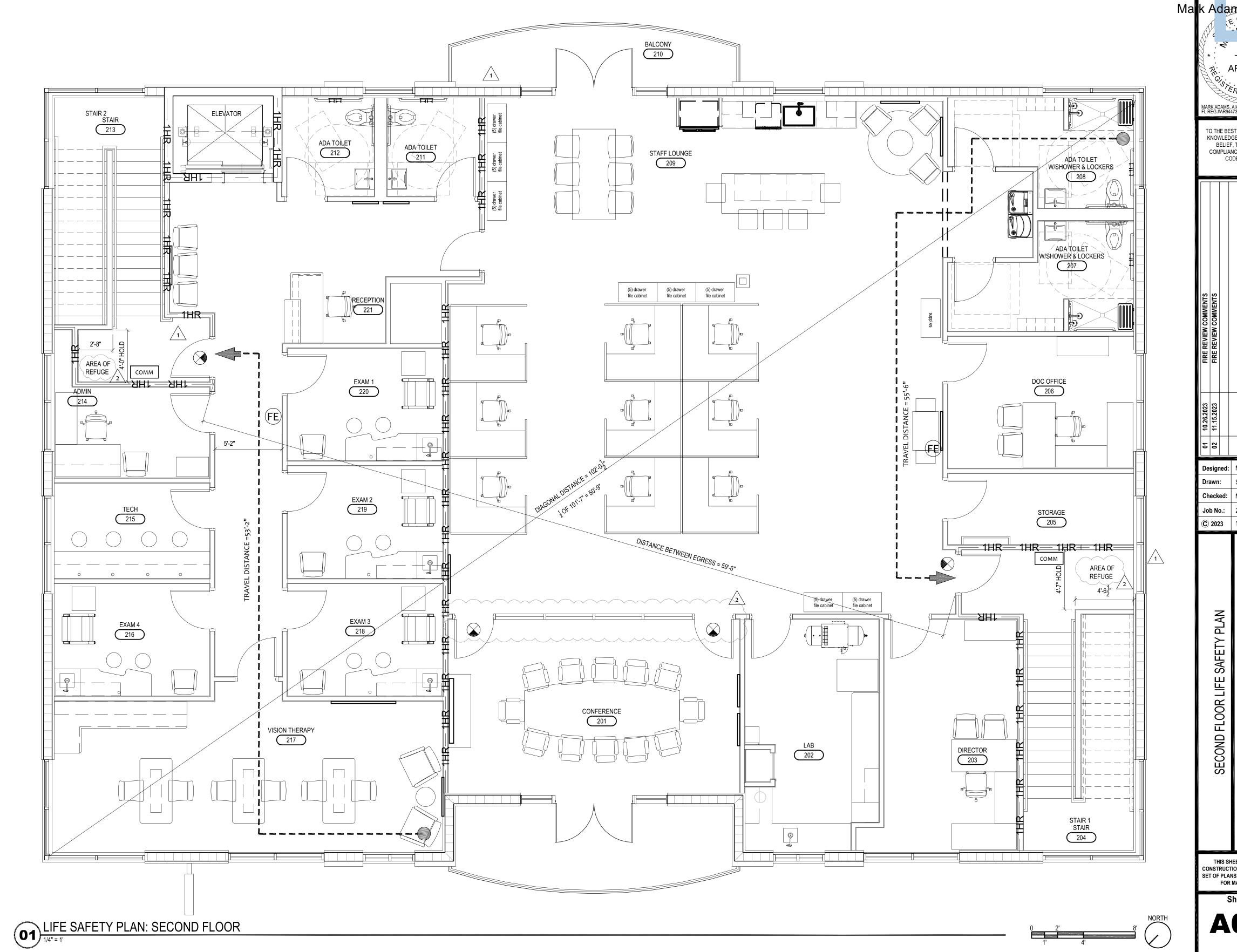
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THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND

LEYEND	
00"	EXIT WIDTH INDICATOR (SHOWING CLEAR WIDTH OF OPENING AND NUMBER OF OCCUPANTS THAT CLEAR WIDTH CAN SERVE PER CODE)
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FE	FIRE EXTINGUISHER (5LBS 2A/ 10B/C) IN SEMI-RECESSED CABINET
₩ ₹	EXIT SIGN; LITHONIA QUANTUM SERIES OR APPROVED EQUAL (SEE ELECTRICAL DWGS)
—1 HR →1 HR →	1 HR FIRE RATING WALL
СОММ	TWO-WAY EMERGENCY COMMUNICATION SYSTEM





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Plans Prepared By : CPH, LLC. State of Florida Licenses: Architect No. AA2600926 Engineer No. 3215 Landscape No. LC0000298

Surveyor No. 7143

**-** ★ -AR94473

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## ARCHITECT'S GENERAL CONDITIONS

#### I GENERAL CONDITIONS

- 1. THESE INSTRUCTIONS ARE TO BE FOLLOWED BY ALL CONTRACTORS AND SUBCONTRACTORS WHEN PERFORMING THIS WORK. FAILURE TO DO SO MAY RESULT IN THE SUSPENSION OF ALL ACTIVITIES UNTIL DISPUTES ARE RESOLVED. ANY EXPENSES AND/OR DAMAGES INCURRED AS A RESULT OF DELAYS IN THE COMPLETION OF THE WORK DUE TO CONTRACTORS DISREGARD OF THESE INSTRUCTIONS SHALL BE BORNE BY THE CONTRACTOR.
- 2. CONTRACTOR SHALL PROVIDE AND MAINTAIN FULL INSURANCE AS REQUIRED BY THE GENERAL CONDITIONS OF THE OWNER. INSURANCE (EXCEPT WORKERS COMPENSATION) SHALL INCLUDE ARCHITECT AS ADDITIONAL INSURED. EVIDENCE OF INSURANCE SHALL BE PROVIDED TO THE OWNER AND ARCHITECT PRIOR TO COMMENCING WORK.
- 3. ARCHITECT IS NOT RESPONSIBLE FOR ERRORS, OMISSIONS OR DELAYS BY THE CONTRACTOR.
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR, PROVIDE, AND PAY FOR ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, CONSTRUCTION EQUIPMENT, WAREHOUSING, TRANSPORTATION AND DELIVERY COSTS, HOISTING, REMOVAL AND DISPOSAL OF TRASH AND DEBRIS, AND OTHER FACILITIES AND SERVICES NECESSARY FOR THE EXECUTION AND COMPLETION OF THIS WORK AND THAT OF HIS/HER SUBCONTRACTORS.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR ACTS AND OMISSIONS OF THE CONTRACTORS EMPLOYEES, SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES, AND ANY OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
- 6. OWNER MAY PERFORM ADDITIONAL WORK IN THIS AREA THAT MAY OR MAY NOT BE A PART OF THIS CONTRACT WITH HIS OWN FORCES, UNDER SEPARATE CONTRACTS AND/OR WITH OTHER CONTRACTORS WHICH MAY BE WORKING ON THE PREMISES SIMULTANEOUS WITH THE DURATION OF THIS WORK. NO ACTION SHALL BE TAKEN ON THE PART OF THIS CONTRACTOR OR ANY SUBCONTRACTOR TO IMPEDE THE ACCESS OR OPERATION OF ANY OTHER CONTRACTOR ON THE PREMISES, REGARDLESS OF CONTRACTING PARTY OR UNION AFFILIATION. ANY CHANGES OR DELAYS ARISING FROM CONFLICTS DUE TO THIS CIRCUMSTANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPATIBILITY, APPROVAL AND APPROPRIATE USE OF ALL ASSEMBLIES AND COMPONENTS REQUIRED THAT ARE NOT SPECIFICALLY IDENTIFIED OR SPECIFIED AS PART OF THIS WORK BUT MAY BE REQUIRED BY JURISDICTIONAL AGENCIES HAVING AUTHORITY OR THAT MAY BE REQUIRED TO COMPLETE THIS WORK.
- 8. CONTRACTOR IS RESPONSIBLE FOR WORKSITE SAFETY AND SHALL TAKE NECESSARY PRECAUTIONS TO ENSURE THE SAFETY AND PROTECTION OF THE WORKERS AND BUILDING OCCUPANTS AT ALL TIMES. REQUIREMENTS INCLUDE, BUT SHALL NOT BE LIMITED TO O.S.H.A. PART 1926, LATEST EDITION IN FORCE.
- 9. THE SPRINKLER SUBCONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND LAYOUT OF THE SYSTEM, AND SUBMISSION OF ANY DRAWINGS, EQUIPMENT INFORMATION AND FLOW CALCULATIONS OR TEST DATA REQUIRED BY GOVERNING AUTHORITIES.
- 10. CONTRACTOR IS RESPONSIBLE FOR CONTRACTING WITH AN ENGINEER LICENSED IN THE STATE WHERE THE WORK IS BEING PERFORMED TO PROVIDE LIGHT GAUGE STEEL STUD FRAMING DESIGN (SPACINGS, GAUGES, SIZES, CONNECTIONS, ETC.)

#### II CHANGE ORDERS

- 1. CONTRACTORS DETERMINATION AND COMPLIANCE WITH GOVERNING REGULATIONS AND ORDERS AS ISSUED BY GOVERNING AUTHORITIES DOES NOT CONSTITUTE SUBSTITUTIONS AND DOES NOT CONSTITUTE A BASIS FOR CHANGE ORDERS.
- 2. ALL CHANGES, REVISIONS AND MODIFICATIONS TO THE WORK SHALL BE DOCUMENTED AND ISSUED BY THE ARCHITECT.
- 3. NO CONTRACTOR OR SUBCONTRACTOR SHALL PERFORM ADDITIONAL WORK UNLESS DIRECTED BY OWNER, OR ARCHITECT. ADDITIONAL CHARGES WILL NOT BE APPROVED FOR WORK WITHOUT PROPER AUTHORIZATION.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS INCURRED FOR NONCOMPLIANCE WITH THESE CONTRACT DOCUMENTS. CONTRACTOR WILL NOT BE ALLOWED CHANGE ORDERS FOR PROBLEMS ARISING FROM NEGLECT OF PROVISIONS INCLUDED IN THESE CONDITIONS.

## III EXISTING CONDITIONS

- 1. ANY AREA OUTSIDE THE LIMITS OF CONSTRUCTION DISTURBED BY OPERATIONS OF THE CONTRACTOR SHALL BE RESTORED AT THE CONTRACTORS EXPENSE.
- 2. CONTRACTOR SHALL ACCEPT PREMISES AS FOUND. OWNER AND ARCHITECT ACCEPTS NO RESPONSIBILITY FOR THE CONDITION OF THE EXISTING SITE OR STRUCTURES AT THE TIME OF BIDDING OR THEREAFTER.
- 6. CONTRACTOR SHALL TAKE EXCEPTIONAL CARE TO PROTECT AND MAINTAIN EXISTING BUILDING AND PROPERTY AND SHALL CLEAN OR REPAIR ANY DAMAGE TO SAME CAUSED BY HIS/HER SUBCONTRACTORS, SUPPLIERS AND CRAFTSMAN AT NO COST TO THE OWNER.
- 7. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO PURCHASING MATERIALS, INSTALLATON OR PERFORMING ANY WORK. INCLUDE COST FOR ALL WORK DESCRIBED IN CONTRACT DOCUMENTS AND REQUIRED OR IMPLIED BY EXISTING CONDITIONS. BIDDERS SHALL BE RESPONSIBLE FOR LACK OF VERIFICATION. NOTIFY ARCHITECT OF ANY CONFLICTS BETWEEN THE DRAWINGS AND EXISTING CONDITIONS RELATED TO THE EXECUTION OF THIS WORK.
- 3. ALL DEMOLITION ACTIVITIES SHALL COMPLY WITH NFPA CODE 241 'BUILDING CONSTRUCTION', ANSI-A10 SERIES STANDARD FOR 'SAFETY REQUIREMENTS' FOR CONSTRUCTION AND DEMOLITION', NECA ELECTRICAL DESIGN LIBRARY 'TEMPORARY ELECTRICAL FACILITIES', AND 'MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION' OF THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA.
- 4. CONTRACTOR SHALL TAKE NECESSARY MEASURES TO ENSURE THAT NEIGHBORING TENANTS AND RESIDENTS ARE NOT DISTURBED IN ANY WAY DURING THE CONSTRUCTION PROCESS. ANY WORK CREATING LOUD NOISES, HAZARDOUS FUMES OR NOXIOUS OR OFFENSIVE ODORS MUST BE COORDINATED WITH OWNER IN ADVANCE SO ACCOMODATIONS CAN BE MADE.
- 5. ANY CONTACT WITH TENANTS OF SURROUNDING PROPERTIES SHALL BE CONDUCTED IN THE MOST COURTEOUS MANNER POSSIBLE.

#### IV CONTRACT DOCUMENTS

- 1. BUILDING DEPARTMENT APPROVED PLANS SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY WORKMEN. ALL CONSTRUCTION SETS SHALL REFLECT THE SAME INFORMATION. THE CONTRACTOR SHALL ALSO MAINTAIN, IN GOOD CONDITION, ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDUM'S AND CHANGE ORDERS, ON THE PREMISES AT ALL TIMES. THESE ARE TO BE KEPT UNDER THE CARE OF THE SUPERINTENDENT.
- 2. ALL CONSTRUCTION ITEMS NOT SPECIFIED OR INDICATED ON DRAWINGS SHALL BE COORDINATED W/ ARCHITECT AND/OR ADDRESSED BY THE OWNER, THE CONTRACTOR OR HIS SUBCONTRACTORS.
- 3. CONTRACTOR SHALL BRING ANY CONFLICTS OR DISCREPANCIES FOUND IN THE DRAWINGS TO THE ATTENTION OF THE ARCHITECT AND OWNER PRIOR TO PURCHASING, INSTALLATION AND/OR CONSTRUCTION.
- 4. MATERIALS, PRODUCTS AND ASSEMBLIES SPECIFIED IN THIS WORK BY THE ARCHITECT, ARE BASED UPON LITERATURE, DRAWINGS OR OTHER DESCRIPTIVE MATERIALS SUPPLIED BY THE MANUFACTURER. IF ANY PRODUCT, MATERIAL OR ASSEMBLY FAILS TO MEET THE CLAIMS OF THE MANUFACTURER WHEN INSTALLED AND USED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS, THE ARCHITECT SHALL NOT BE HELD RESPONSIBLE FOR LESS THAN SATISFACTORY RESULTS.
- 5. CONTRACTOR SHALL BE RESPONSIBLE TO REPORT TO AND DISCUSS WITH THE ARCHITECT PRIOR TO PURCHASING ANY MATERIALS OR INSTALLATIONS SPECIFIED OR INDICATED ON THE DRAWINGS WHICH THE CONTRACTOR BELIEVES WILL NOT PROVIDE SATISFACTORY RESULTS. CONTRACTOR WILL PROVIDE A WORKABLE SOLUTION TO THE ARCHITECT FOR REVIEW PRIOR TO INSTALLING. IF CONTRACTOR FAILS TO NOTIFY THE ARCHITECT OR IF RECOMMENDATIONS ARE ACCEPTED, CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLATION AND SATISFACTORY RESULTS.
- 6. DIMENSIONS TAKE PRECEDENCE OVER DRAWINGS. DO NOT SCALE DRAWINGS TO DETERMINE LOCATIONS. LARGE SCALE DRAWINGS GOVERN OVER SMALLER SCALE DRAWINGS. ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCY WHICH OCCURS PRIOR TO CONTINUING WITH THE WORK.

#### V SHOP DRAWINGS, SUBMITTALS & SUBSTITUTIONS

- CONTRACTOR SHALL PROCURE MATERIALS SO AS NOT TO DELAY SUBSTANTIAL COMPLETION. NOTIFY OWNER WHEN SUBMITTING FINAL BID OF ANY MATERIAL DELIVERY WHICH COULD DELAY COMPLETION OF CONTRACT BEYOND THE CONTRACT DATE.
- 2. G.C. SHALL SUBMIT SHOP DRAWINGS AND PRODUCT INFORMATION PRIOR TO PURCHASING, INSTALLATION AND/OR CONSTRUCTION.
- 3. ALL SUBMITTALS TO THE ARCHITECT SHALL BE SUBMITTED 16 DAYS PRIOR TO DATE REQUIRED.
- 4. CONTRACTORS SHALL REVIEW ALL SUBMITTALS PRIOR TO SUBMITTING TO ARCHITECT FOR ARCHITECTS REVIEW. SUBMITTALS SHALL BEAR THE STAMP OF THE CONTRACTOR INDICATING HIS/HER REVIEW. NO SUBMITTAL SHALL BE PROCESSED BY ARCHITECT WITHOUT THIS STAMP.
- 5. MANUFACTURERS OF SPECIFIED ITEMS ARE NOTED FOR QUALITY AND DESIGN. SUBSTITUTE PRODUCTS ARE SUBJECT TO APPROVAL BY ARCHITECT AND OWNER. WHERE SUBSTITUTIONS OF EQUIVALENT PRODUCTS OR ASSEMBLIES ARE PERMITTED, CONTRACTOR IS ENCOURAGED TO SUBMIT ALTERNATE PRODUCTS FOR CONSIDERATION IN AN EFFORT TO REDUCE THE CONSTRUCTION COST OR TIME. REASONABLE REQUESTS WILL BE REVIEWED FOR COMPLIANCE WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS. IF DOCUMENTS STATE THAT SUBSTITUTIONS ARE NOT PERMITTED, CONTRACTOR SHALL PROVIDE MANUFACTURER/PRODUCT SPECIFIED.

## VI FIRE-RESISTANCE-RATED CONSTRUCTION

- REFERENCE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR DETAILS OF UTILITY WALL PENETRATIONS. ALL FIRE-RATED WALLS MUST BE CLEARLY AND PERMANENTLY LABELED ABOVE FINISH CEILING LEVEL AS REQUIRED BY CODE.
- 2. ALL FIRE-RATED MATERIALS, ASSEMBLIES AND PENETRATIONS MUST COMPLY WITH REQUIREMENTS OF THEIR ASSOCIATED U.L. (OR OTHER APPROVED TESTING AGENCY) DESIGN.
- . CONTRACTOR SHALL ATTACH AND STAGGER WALLBOARD ON ALL FIRE-RATED WALLS AS REQUIRED BY U.L. DESIGN DESCRIPTION.

## VII EXECUTION

- 1. CONSTRUCTION BARRICADES ARE TO BE INSTALLED TO PREVENT ACCESS BY UNAUTHORIZED PERSONAL TO CONSTRUCTION AREA. BARRICADES SHALL BE CONSTRUCTED IN A MANNER TO PREVENT DEMOLITION DEBRIS AND DUST FROM CONTAMINATING ADJACENT AREAS.
- 2. CONTRACTOR SHALL EXAMINE ALL SURFACES TO DETERMINE THAT THEY ARE SOUND, DRY, CLEAN AND READY TO RECEIVE FINISHES PRIOR TO INSTALLATION. START OF INSTALLATION SHALL IMPLY ACCEPTANCE OF SUBSTRATE AND SHALL NOT BE GROUNDS FOR CLAIMS AGAINST IMPROPER PERFORMANCE OF INSTALLED MATERIALS.
- 3. PERFORM ALL WORK IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND INSTRUCTIONS AND IN A MANNER CONSISTENT WITH THE HIGHEST STANDARD OF WORKMANSHIP.
- 4. ALL FURNISHINGS AND EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY THE OWNER UNLESS NOTED OTHERWISE. CONTRACTOR SHALL COORDINATE WITH OWNER'S CONSULTANTS AND REPRESENTATIVES TO PROVIDE ACCESS SO WORK CAN BE ACCOMPLISHED IN A TIMELY MANNER.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE WORK IS IN PROGRESS, AND UNTIL THE JOB IS COMPLETE AND HAS BEEN ACCEPTED BY THE OWNER.
- 6. POSSESSION, USE OR BEING UNDER THE INFLUENCE OF ALCOHOL, NARCOTICS OR ILLEGAL SUBSTANCES OF ANY TYPE ON THE PREMISES IS STRICTLY PROHIBITED.
- CONTRACTOR SHALL INSTALL AND MAINTAIN ALL NECESSARY COVERINGS, PROTECTIVE ENCLOSURES AND DUST BARRIERS TO PROTECT ALL WORK AND FINISHES. REPAIR AND REPLACE ANY DAMAGES CAUSED BY IMPROPER PROTECTIONS AT NO ADDITIONAL COST TO THE OWNER.
- 8. PROVIDE TEMPORARY WATERTIGHT WEATHERPROOF CLOSURES AT ALL ROOF OPENINGS UNTIL AFTER INSTALLATION OF ROOFTOP MOUNTED MECHANICAL UNITS, DRAINS, VENTS, ETC. ROOF IS THEN TO BE SEALED IN ACCORDANCE WITH ROOF WARRANTY.
- PROVIDE CONTROL JOINTS TO PREVENT CRACKING IN ALL MATERIALS AND ASSEMBLIES. SUBMIT CONTROL JOINT LAYOUTS TO OWNER AND ARCHITECT FOR REVIEW PRIOR TO PURCHASE, INSTALLATION AND / OR CONSTRUCTION.
- 10. ALL LOAD BEARING WALLS AND NON LOAD BEARING CMU WALLS ARE TO BE CAULKED AT INTERSECTIONS. TYPICAL.
- 11. WHERE DISSIMILAR METALS CONTACT, PAINT FACE OF ONE WITH TWO COATS OF BITUMINOUS PAINT AT THE AREA OF CONTACT.
- 12. ALL ATTACHMENT HARDWARE SHALL BE APPROPRIATELY CAMOUFLAGED AND CONCEALED. FINISH COLOR OF ALL ATTACHMENT HARDWARE SHALL MATCH ADJACENT SURFACES U.N.O.
- 13. PROVIDE PRESSURE TREATED WOOD FOR ALL FRAMING, BLOCKING, FURRING, NAILING STRIPS, BUILT INTO EXTERIOR MASONRY WALLS, WOOD IN CONTACT WITH CONCRETE AND IN CONJUNCTION WITH ROOFING AND MOISTURE-PERMEABLE FLOORS. PROVIDE FIRE-RETARDANT TREATED WOOD FOR CONCEALED BLOCKING AND FOR EXPOSED LUMBER AND PLYWOOD IN HABITABLE SPACE. NON-STRUCTURAL WOOD ON EXTERIOR WALLS TO BE MOISTURE-RESISTANT.

- 14. ALL WOOD, LUMBER AND PLYWOOD MATERIALS SHALL BE FIRE-RESISTANT AND/OR FIRE-RATED AS REQUIRED BY CODE.
- 15. COMBUSTIBLE MATERIALS SHALL NOT BE PERMITTED IN THE RETURN AIR PLENUM. ALL INSULATION EXPOSED TO CEILING PLENUM SHALL BE FIRE AND DUST PROOF.
- 16. CONTRACTOR SHALL PROVIDE SOLID 2" WOOD BACKING WITHIN WALLS FOR ANCHORAGE OF ALL WALL MOUNTED SHELVES, RAILS, TOILET ACCESSORIES, WOODWORK, ETC. AND AT ALL LOCATIONS DIRECTED BY OWNER. 2x6 CONT. WOOD BLOCK'G SHALL BE PROVIDED AT TOP AND BOTTOM OF ALL MILLWORK. COORDINATE LOCATION OF ALL BLOCKING / BACKING W ID DWGS. ALL WOOD BACKING SHALL MEET THE REQUIREMENTS OF FBC 603 FOR COMBUSTIBLE MATERIAL.
- 17. CONTRACTOR SHALL PROVIDE, FRAME AND FINISH ALL OPENINGS AS REQUIRED FOR ELECTRICAL AND MECHANICAL PENETRATIONS. ELECTRICAL PANELS, JUNCTION BOXES, RECESSED CABINETS, ETC. OCCURRING IN FIRE-RATED WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH U.L. DESIGN REQUIREMENTS.
- 18. COORDINATE WITH ELECTRICAL CONTRACTOR REGARDING THE MOUNTING HEIGHT OF ALL SWITCHES AND OUTLETS AT MILLWORK, COUNTERS, SHELVING, SINKS ETC. COMPLY WITH APPLICABLE ACCESSIBILITY REQUIREMENTS. REFER QUESTIONABLE MOUNTING HEIGHTS TO ARCHITECT FOR REVIEW.
- 19. ALL PENETRATIONS THROUGH ROOF SHALL BE COORDINATED WITH THE HOLDER OF THE ROOF WARRANTY AND SHALL NOT VOID ANY EXISTING WARRANTIES IN ANY WAY. PROVIDE POSITIVE DRAINAGE AWAY FROM OPENINGS. CONTRACTOR IS SOLELY RESPONSIBLE FOR MAINTAINING INTEGRITY OF ROOFING AND ROOF WARRANTY. COORDINATE WITH OWNER.
- 20. SMOKING IS PROHIBITED INSIDE THE BUILDING AT ANY TIME.
- 21. COORDINATE THE STAGING AREA WITH THE OWNER OR OWNERS REPRESENTATIVE PRIOR TO STARTING WORK. G.C. SHALL MAINTAIN A CLEAN AND WELL DEFINED STAGING AREA. PROVIDE DEMISING WALLS / VISUAL SCREENS WHERE REQUIRED BY OWNER OR AHJ.
- 22. STORAGE OF MATERIALS: CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER CARE AND PROTECTION OF ALL HIS/HER MATERIALS, EQUIPMENT, TOOLS, ETC. NO SUBCONTRACTOR SHALL STORE HIS/HER MATERIALS, EQUIPMENT, TOOLS, ETC., SO THAT THEY IMPEDE THE WORK OF ANY OTHER SUBCONTRACTOR OR THE USE OF THE BUILDING BY THE OWNER.
- 23. CLEANUP: CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP OF DEBRIS ACCUMULATED BY HIS/HER WORK AND THAT OF HIS/HER SUBCONTRACTORS AND SUPPLIERS. AT THE COMPLETION OF THE DAYS WORK, CONTRACTOR SHALL REMOVE ALL TOOLS AND DEBRIS AND LEAVE CONSTRUCTION AREA INCLUDING OUTDOORS CLEAN AND FREE OF OBSTRUCTION. OCCUPIED AREAS SHALL BE MAINTAINED IN A CLEAN AND ORDERLY MANNER AT ALL TIMES.
- 24. TRASH AND RECYCLE DUMPSTERS SHALL BE LOCATED AS APPROVED BY OWNER. USE OF EXISTING TRASH DUMPSTERS AND COMPACTORS SHALL NOT BE UTILIZED UNDER ANY CIRCUMSTANCES.
- 25. PARKING: CONTRACTOR SHALL COORDINATE THE PARKING AREA WITH THE OWNER AND OWNER'S REPRESENTATIVE PRIOR TO START OF THE WORK. VEHICLES ARE NOT PERMITTED TO REMAIN PARKED IN HANDICAPPED DESIGNATED SPACES. LOADING AREAS ARE FOR LOADING AND UNLOADING ONLY.
- 26. G.C. SHALL PROVIDE AND INSTALL PORTABLE FIRE EXTINGUISHERS AS INDICATED ON PLAN AND AS REQUIRED BY AHJ. PROVIDE TYPE AND SIZE REQUIRED AT THE LOCATIONS INDICATED. IF VISIBLE TO THE PUBLIC, PROVIDE A RECESSED CABINET, COORDINATE AND VERIFY W/ SPECIFICATIONS. MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER SHALL BE 75 FEET.

## VIII CLOSE-OUT

- 1. G.C. IS RESPONSIBLE FOR PROVIDING AND INSTALLING ADDRESS / UNIT NUMBER SIGNAGE AT FRONT AND REAR ENTRIES OR AS INDICATED ON DRAWINGS. SIGNAGE TO MEET LOCAL CODES.
- 2. 24 HOURS PRIOR TO PUNCH-LIST OF ANY PHASE, THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL SURFACES OF DUST, DEBRIS, AND LOOSE CONSTRUCTION MATERIAL.
- 3. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL CLEAN THE WORK AREA TO OWNERS SATISFACTION. FINAL CLEANUP SHALL INCLUDE THE FOLLOWING: VACUUM OR MOP ALL FLOORS. SWEEP, DAMP MOP, AND WAX RESILIENT FLOORING. DUST, DIRT, PAINT DRIPPINGS, OIL, GREASE, MASTIC, ADHESIVES, AND OTHER FOREIGN MATERIALS AND BLEMISHES SHALL BE REMOVED FROM SIGHT-EXPOSED FINISHES, INCLUDING PIPES AND EQUIPMENT. WINDOWS, GLASS UNITS, GLASS DOORS AND MIRRORS SHALL BE WASHED. PAINT OVERRUNS AND PUTTY SMEARS SHALL BE REMOVED AND HARDWARE SHALL BE RUBBED CLEAN WITH FLANNEL CLOTH.
- 4. WORK DAMAGED DURING CONSTRUCTION OR NOT CONFORMING TO SPECIFIED STANDARDS, TOLERANCES OR MANUFACTURERS INSTRUCTIONS FOR INSTALLATION SHALL BE REPLACED BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REPLACE OR REMEDY ANY FAULTY, IMPROPER, OR INFERIOR MATERIALS OR WORKMANSHIP WHICH SHALL APPEAR WITHIN ONE (1) YEAR (OR CONTRACTUALLY AGREED UPON TERM REQUIRED BY OWNER) AFTER THE COMPLETION AND ACCEPTANCE OF THE WORK UNDER THIS CONTRACT.
- 6. AN OPERATIONAL TEST OF THE EMERGENCY LIGHTING SYSTEM MAY BE REQUIRED. COORDINATE WITH BUILDING OFFICIALS.

## FLORIDA PRODUCT APPROVALS & MIAMI-DADE NOTICES OF ACCEPTANCE

PRODUCT DESCRIPTION	MANUFACTURER / MODEL	FILE NO.	DATE APPROVED
STOREFRONT DOOR	KAWNEER/IR350 MED STILE DOOR	FL 15850.1	JUL 21 2020
STOREFRONT	KAWNEER/TRIFAB VG 451	FL 14287.1	APR 13 2022
H.M. DOOR	GENSTEEL DOOR	FL 21382-R2	FEB09 2021
TPO ROOFING	FIRESTONE/ULTRAPLY	FL 15894.1	DEC 15 2021



A Full Service

A & E Firm

1011 E. COLONIAL DR #307

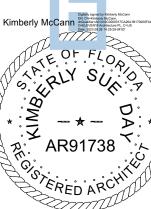
ORLANDO, FLORIDA 32803

Ph. (407) 745-5300

Plans Prepared By :

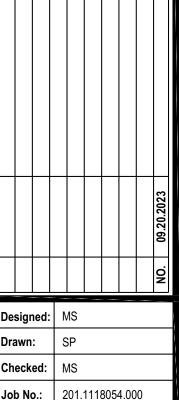
CPH, LLC.

State of Florida Licenses: Architect No. AA2600926 Engineer No. 3215 Landscape No. LC0000298 Surveyor No. 7143



EG.#AR91738

TO THE BEST OF THE ARCHITECT'S KNOWLEDGE, INFORMATION, AND BELIEF, THIS DESIGN IS IN COMPLIANCE WITH APPLICABLE CODES AND LAWS



TUSKAWILLA OPTOMETRY

LOT 6

WINTER SPRINGS, FL, 32708

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLET SET OF PLANS. SEE GENERAL NOTE:

Sheet No. **A003** 

FOR MASTER LEGEND



Rating ≥ 1 hr and < 2 hr

#### Search Parameters

Assembly type	Protection type	
Walls and Partitions	Masonry	
Rating		

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

#### BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United

Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design Criteria and Allowable Variances

### Design No. U935

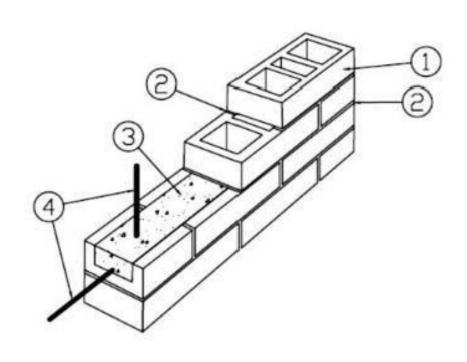
September 23, 2009

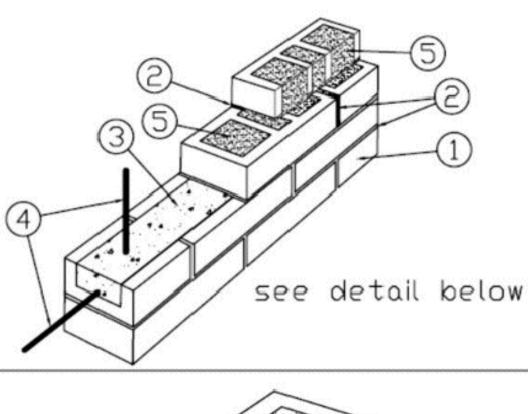
Bearing Wall Rating — 1-1/2 or 4 Hr (See Item 5)

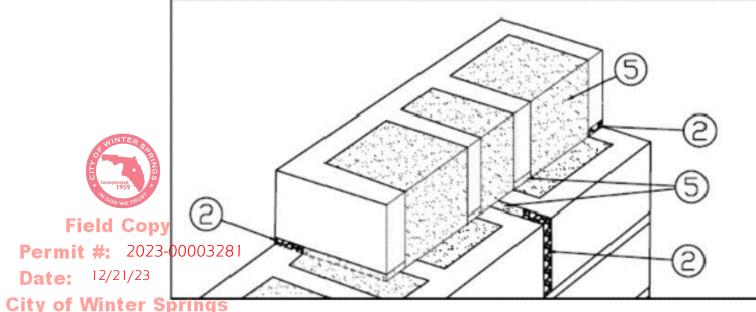
Nonbearing Wall Rating — 1-1/2 or 4 Hr (See Item 5)

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.







Field Cop

Date: 12/21/23

 Clay Masonry Units\* — Hollow clay bricks, measuring 7-1/2 in. thick by 3-9/16 in. high by 15-1/2 in. long, with two main square cores and a center web core as shown in the above illustration. Bricks laid in mortar (Item 2) with vertical joints staggered. Bricks reinforced vertically and horizontally

with rebar reinforcement (Item 4) and grout (Item 3) spaced 40 in. OC max. Vertical reinforcement placed in cells that align vertically and horizontal reinforcement placed in bond beam stretcher units that align horizontally. The allowable compressive stress for the hollow clay bricks shall be determined using the empirical design method for hollow clay brick found in the model codes. Suitable for exterior use applications. Investigated to ANSI/UL 263 only.

INTERSTATE BRICK CO — Type 8x4x16 Atlas stretcher units and Type 8x4x16 Atlas bond beam stretcher units.

- Mortar Type S mortar consisting of 1 part Portland cement, 1/2 part hydrated lime to 4-1/2 parts sand by volume. Mortar applied to horizontal surface of the unit face shells and the head joints to a depth equal to the thickness of the face shell. Bed joint and head joint thickness nom 1/2 in.
- 3. Grout Grout consisting of 1 part Portland cement, 3 parts sand by volume to 2 parts pea gravel by volume.
- Rebar Reinforcement Min. 5/8 in. diameter steel rebar.
- Loose Masonry Fill When all core spaces and voids main square cores, center web cores, head joints, and voids above the webs — are filled as shown with grout, water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation, Bearing/Non-Bearing Wall Rating is 4 hr. When no fill material is used, Bearing/Non-Bearing Wall Rating is 1-1/2 hr.
- \* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2009-09-23

#### Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction. Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of
- Only products which bear UL's Mark are considered Certified.

in the field.

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

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BXUV.U419 - Fire-resistance Ratings - ANSI/UL 263



#### Design No. U419 BXUV.U419 Fire-resistance Ratings - ANSI/UL 263

Page Bottom

8/7/2018

## Design/System/Construction/Assembly Usage Disclaimer

- · Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL. Certified products, equipment, system, devices, and materials.
- · Authorities Having Jurisdiction should be consulted before construction. · Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with

applicable requirements. The published information cannot always address every construction nuance encountered in the field.

- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each
- product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate
- . Only products which bear UL's Mark are considered Certified.

## BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

### BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances

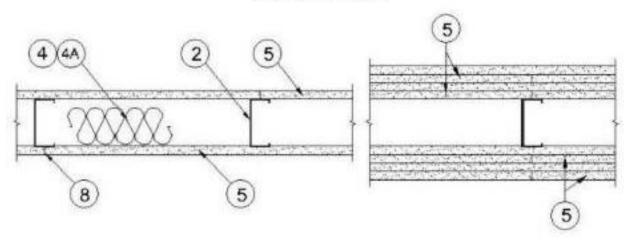
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design Criteria and Allowable Variances

## Design No. U419

July 12, 2018

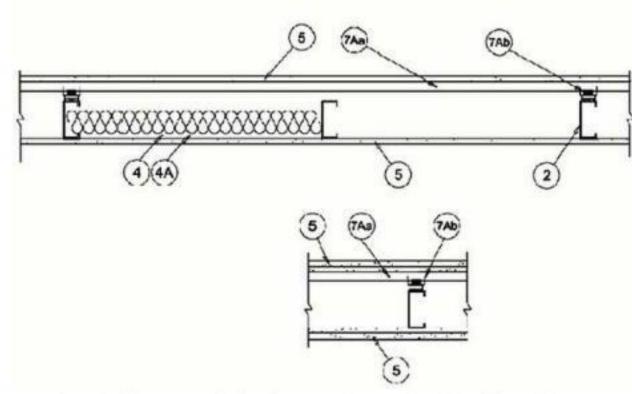
Nonbearing Wall Ratings - 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5K)

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



https://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/showpage.html?name=BXUV.U419&ccnshorttitle=Fire-resistance+Ratings+-+ANSI/U... 1/12

BXUV.U419 - Fire-resistance Ratings - ANSI/UL 263



1. Floor and Ceiling Runners - (Not Shown) - For use with Item 2 - Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling

1A. Framing Members\* - Floor and Ceiling Runner - Not Shown - In lieu of Item 1 - For use with Item 2B, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO - Viper25<sup>TM</sup> Track

CRACO MFG INC — SmartTrack25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC - Viper25" Track

FUSION BUILDING PRODUCTS — Viper25™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper25<sup>th</sup> Track

 Framing Members\* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO - Viper20™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC - Viper2011 Track

FUSION BUILDING PRODUCTS — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC - Viper20<sup>rd</sup> Track

1C. Framing Members\* - Floor and Ceiling Runners - (Not Shown) - In lieu of Item 1 - Channel shaped, attached

to floor and ceiling with fasteners 24 in. OC. max. ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

BXUV.U419 - Fire-resistance Ratings - ANSI/UL 263.

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV - Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO - Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC - Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC - Type SUPREME Framing System

UNITED METAL PRODUCTS INC - Type SUPREME Framing System

1D. Floor and Ceiling Runners - (Not Shown) - For use with Item 2A - Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

 Framing Members\* — Floor and Ceiling Runners — (Not Shown, As an alternate to Item 1) — For use with Items 2E, 5F or 5G or 5I only, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.

CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

MBA METAL FRAMING - ProTRAK

DMFCWBS L L C - ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C - Tri-S ProTRAK

1F. Framing Members\* - Floor and Ceiling Runner - Not Shown - In lieu of Item 1 - For use with Item 2F, proprietary channel shaped runners, minimum width to accommodate stud size, with 1- 1/8 in. long legs fabricated from min 0.015 in. (min bare metal thickness) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. SUPER STUD BUILDING PRODUCTS — The Edge

1G. Framing Members\* - Floor and Ceiling Runner - For use with Item 2G, proprietary channel shaped runners, minimum width to accommodate stud size attached to floor and ceiling with fasteners 24 in. OC max. STUDCO BUILDING SYSTEMS — CROCSTUD Track

1H. Floor and Ceiling Runners - (Not Shown) - Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with study specified below and fabricated from min 0.018 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20<sup>TH</sup> Track VT100

IMPERIAL MANUFACTURING GROUP INC - Viper20™ Track VT100

FUSION BUILDING PRODUCTS - Viper20™ Track VT100

11. Framing Members\* - Floor and Ceiling Runners - (Not Shown, As an alternate to Item 1) - For use with Items 2H, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and

ceiling with fasteners 24 in. OC. max.

TELLING INDUSTRIES L L C — TRUE-TRACK™

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8/7/2018 BXUV.U419 - Fire-resistance Ratings - ANSI/UL 263

> 1). Framing Members\* - Floor and Ceiling Runner - Not Shown - In lieu of Item 1 - For use with Item 21, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

> 1K, Framing Members\* - Floor and Ceiling Runner - Not Shown - In lieu of Item 1 - For use with Item 2J.

proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel,

attached to floor and ceiling with fasteners spaced 24 in. OC max. TELLING INDUSTRIES L L C - Viper20™ Track

TELLING INDUSTRIES L L C — Viper25™ Track

11. Framing Members\* - Floor and Ceiling Runner - Not Shown - In lieu of Item 1 - For use with Item 2N, proprietary channel shaped runners, 1-1/4 in. wide by min. 3-1/2 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

STEEL INVESTMENT GROUP L L C - AlphaTRAK

1M. Framing Members\* - Floor and Ceiling Runners - Not Shown - As an alternate to Item 1 - For use with Item 20, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

RONDO BUILDING SERVICES PTY LTD — Rondo Wall Track

1N. Framing Members\* - Floor and Ceiling Runners - Not Shown - As an alternate to Item 1 - For use with Item 2P, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

OEG BUILDING MATERIALS — OEG Track

10. Framing Members\* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2Q, proprietary channel shaped runners, min width to accommodate stud size, fabricated from min. 25 MSG (0.018 in. min. bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X Track

 Steel Studs — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

 Steel Studs — (As an alternate to Item 2, For use with Items 5B, 5E, 5H, 5J and 5K) — Channel shaped, fabricated from min 20 MS/G corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2B. Framing Members\* - Steel Studs - (As an alternate to Item 2, For use with Items 5C, 51 or 5K) - Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25<sup>rm</sup>

CRACO MFG INC — SmartStud25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC - Viper25™

FUSION BUILDING PRODUCTS - Viper25™

IMPERIAL MANUFACTURING GROUP INC — Viper25™

2C. Framing Members\* - Steel Studs - Not Shown - In lieu of Item 2 - proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.

CALIFORNIA EXPANDED METAL PRODUCTS CO - Viper2019

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20<sup>res</sup>

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Plans Prepared By:

CPH, LLC. State of Florida Licenses: Architect No. AA2600926 Engineer No. 3215 Landscape No. LC0000298 Surveyor No. 7143



O THE BEST OF THE ARCHITECT'S KNOWLEDGE, INFORMATION, AND BELIEF. THIS DESIGN IS IN COMPLIANCE WITH APPLICABLE CODES AND LAWS

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Sheet No.

FOR MASTER LEGEND

FUSION BUILDING PRODUCTS — Viper20"

IMPERIAL MANUFACTURING GROUP INC — Viper20™

5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

STEEL STRUCTURAL PRODUCTS L L C - Tri-S ProSTUD

SUPER STUD BUILDING PRODUCTS — The Edge

STUDCO BUILDING SYSTEMS — CROCSTUD

TELLING INDUSTRIES L L C — TRUE-STUD™

TELLING INDUSTRIES L L C — Viper25™

TELLING INDUSTRIES L L C — Viper20™

galvanized steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights.

width indicated under Item 5, Studs to be cut 3/8 to 3/4 in less than the assembly height.

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

2D. Framing Members\* - Steel Studs - In lieu of Item 2 - Channel shaped studs, min depth as indicated under Item

2E. Framing Members\* — Steel Studs — (Not Shown, As an alternate to Item 2) — For use with Items 5F or 5G or 5I

or 5K only, channel shaped studs, min depth as indicated under Item 5F, 5G or 5I, fabricated from min. 0.015 in. (min

bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

2F. Framing Members\* - Steel Studs - Not Shown - In lieu of Item 2 - proprietary channel shaped steel studs,

2G. Framing Members\* - Steel Studs - Not Shown - In lieu of Item 2 - proprietary channel shaped studs, minimum

2H. Framing Members\* - Steel Studs - (Not Shown, As an alternate to Item 2) - Fabricated from min. 0.015 in.

(min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

2I. Framing Members\* - Steel Studs - (As an alternate to Item 2, For use with Items 5C or 5L or 5K) - Proprietary

installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of

channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and

minimum width indicated under Item 5, 1-1/4 in. deep fabricated from min 0.015 in. (min bare metal thickness)

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME Framing System

8/7/2018 BXUV.U419 - Fire-resistance Ratings - ANSI/UL 263

> 4C. Fiber, Sprayed\* - (Optional) and as an alternate to Batts and Blankets (Item 4B) where insulation is required Spray applied granulated mineral fiber material. The fiber is applied with adhesive at a minimum density of 4.0 pcf to completely fill the wall cavity in accordance with the application instructions supplied with the product. See Fiber,

joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal

Rating, Hr	Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
2	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
4	2-1/2	2 layers, 3/4 in. thick	2 in.

CGC INC - 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO - 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE

layer to one side of the assembly. Secured as described in Item 6.

CGC INC - Type SHX.

UNITED STATES GYPSUM CO - Type FRX-G, SHX.

USG MEXICO S: A DE C V - Type SHX.

BXUV.U419 - Fire-resistance Ratings - ANSI/UL 263

2). Framing Members\* - Metal Studs - Not Shown - In lieu of Item 2 - proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights

2K. Framing Members\* - Steel Studs - As an alternate to Item 2 - For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

EB METAL INC - NITROSTUD

2L. Framing Members\* - Steel Studs - As an alternate to Item 2 - For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

OLMAR SUPPLY INC - PRIMESTUD

2M. Framing Members\* - Steel Studs - As an alternate to Item 2 - For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRite™

2N. Framing Members\* - Steel Studs - As an alternate to Item 2 - proprietary channel shaped steel studs, min depth 3-1/2 in. and as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in length than assembly height.

STEEL INVESTMENT GROUP L L C - AlphaSTUD

20. Framing Members\* - Steel Studs - As an alternate to Item 2 - proprietary channel shaped steel studs, min width as indicated under Item 5, galv steel. Studs to be out 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24

RONDO BUILDING SERVICES PTY LTD — Rondo Lipped Wall Stud

2P. Framing Members\* - Steel Studs - As an alternate to Item 2 - proprietary channel shaped steel studs, min width as indicated under Item 5, min 25 MSG galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.

OEG BUILDING MATERIALS - OEG Stud

20. Framing Members\* - Steel Studs - Not Shown - In lieu of Item 2 - For use with Item 10, proprietary channel shaped steel study, min depth as indicated under Item 5, spaced a max of 24 in, OC, fabricated from min 25 MSG (0.018 in, min, bare metal thickness). Studs cut 3/8 in, to 3/4 in, less in lengths than assembly heights.

CALIFORNIA EXPANDED METAL PRODUCTS CO - Viper X

3. Wood Structural Panel Sheathing - (Optional, For use with Item 5 Only) - (Not Shown) - 4 ft wide. 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel study. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field

When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels increased by . Batts and Blankets\* - (Required as indicated under Item 5) - Mineral wool batts, friction fitted between studs and unners. Min nom thickness as indicated under Item 5.

See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

4A. Batts and Blankets\* - (Optional) - Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Field Copy Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies. 4B. Batts and Blankets\* — For use with Item 5K. Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation Date: 12/21/23 bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

AMERICAN ROCKWOOL MANUFACTURING, LLC - Type Rockwool Premium Plus

 Gypsum Board\* — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1hr, 2 hr, 3 hr and 4 hr ratings are as follows:

#### Gypsum Board Protection on Each Side of Wall

USG BORAL DRYWALL SFZ LLC - 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE

USG MEXICO S: A DE C V - 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or: 3/4 in, thick Types IP-X3 or ULTRACODE

When Item 7B, Steel Framing Members\*, is used, Nonbearing Wall Rating is limited to 1 Hr. Min.. stud depth is 3-1/2 in., min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6.

5A. Gypsum Board\* - (As an alternate to Item 5) - 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer

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## BXUV.U419 - Fire-resistance Ratings - ANSI/UL 263

5B. Gypsum Board\* - (Not Shown) - As an alternate to Item 5 when used as the base layer on one or both sides of with Item 3) - Nom 5/8 in. or 3/4 in. may be used as albernate to all 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 lin. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to 20 MSG steel studs Item; 2A with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 11) or Lead Discs or Tabs (see Item

RAY-BAR ENGINEERING CORP — Type RB-LBG

5C. Gypsum Board\* — (For Use With Item 2B) — Rating Limited to 1 Hour. 5/8 in. thick, 48 in. wide, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. (Vertical Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under section VI of Volume 1 in the Fire Resistive Directory.

CGC INC - Type SCX.

UNITED STATES GYPSUM CO — Type SCX, SGX.

USG BORAL DRYWALL SFZ LLC -- Type SCX

USG MEXICO S A DE C V — Type SCX

5D. Gypsum Board\* - (As an alternate to Item 5) - 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 2 only. CGC INC - Type USGX

UNITED STATES GYPSUM CO — Type USGX

USG BORAL DRYWALL SFZ LLC - Type USGX

USG MEXICO S A DE C V — Type USGX

5E. Gypsum Board\* — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or No. 6 by 1-1/4 in. long Bugle head fine driller) steel screws spaced 8 in. OC at perimeter

NEW ENGLAND LEAD BURNING CO INC, DBA NELCO - Nelco

SF. Gypsum Board\* — (As an alternate to Item 5) — For use with Items 1E and 2E and limited to 1 Hour Rating only. Gypsum panels with beveled, square or tapered edges, applied vertically, and fastened to the steel studs with 1 in. long Type 5 screws spaced 8 in, OC along vertical and bottom edges and 12 in, OC in the field. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Steel stud depth shall be a minimum 3-5/8 in.

UNITED STATES GYPSUM CO - 5/8 In. thick Type SCX, SGX

USG BORAL DRYWALL SEZ LLC - 5/8 in, thick Type SCX, SGX

5G. Gypsum Board\* - (As an alternate to Item 5) - For use with Items 1E and 2E only, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 6. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs.

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BXUV.U419 - Fire-resistance Ratings - ANSI/UL 263

Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 2 hr, 3 hr and 4 hr ratings are as follows:

#### Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Item 2E	No. of Layers & Thickness of Panel	Min Thkns of Insulation (Item 4)
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional

CGC INC - 1/2 in. thick Type C, IP-X2 or IPC-AR;, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO - 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type SCX, SGX, SHX, IP-X1, AR, C, , FRX-G, IP-AR, IP-X2, IPC-AR, ULIX; 3/4 in. thick Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC - 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE

USG MEXICO S A DE C V - 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

5H. Gypsum Board\* - (Not Shown) - (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 or 3/4 in thick products are specified. For direct attachment only to steel study Item 2A, (not to be used with Item 3) - Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs, Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Gypsum board secured to 20 MSG steel studs Item 2B with 1-1/4 in, long Type S-12 steel screws spaced 8 in, OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11A)

MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

5I. Gypsum Board\* - (As an alternate to Item 5) - Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5.

UNITED STATES GYPSUM CO — Type ULX

USG MEXICO S: A DE C V - Type ULX

or Lead Discs (see Item 12A).

8/7/2018

53. Gypsum Board\* — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in, or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over study and staggered min 1 stud cavity on opposite sides of study. Wallboard secured to study with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead battern strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batter strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification

RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

BXUV.U419 - Fire-resistance Ratings - ANSI/UL 263

5K. Gypsum Board\* — (Not Shown) — (As an alternate to Item 5) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over study and staggered one study cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) need

#### not be staggered. The number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows: Gypsum Board Protection on Each Side of Wall

Rating, Hr	Min Stud Depth, in. Items 2 through 20	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4B)
1	3-5/8	1 layer, 5/8 in. thick	3-1/2 in.
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional

UNITED STATES GYPSUM CO - 5/8 in. thick Type ULIX

6. Fasteners - (Not Shown) - For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to study (Item 2) or furring channels (Item 7). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Two layer systems: First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Threelayer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. Four-layer systems: First layer- 1 i long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in, OC, Third layer- 2-1/4 in, long for 1/2 in, thick panels or 2-5/8 in, long for 5/8 in, thick panels, spaced 24 in, OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset

7. Furring Channels - (Optional, Not Shown, for single or double layer systems) - Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting studi with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A.

7A. Framing Members\* - (Optional on one or both sides, not shown, for single or double layer systems) - As an alternate to Item 7, furring channels and Steel Framing Members as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item

b. Steel Framing Members\* — Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to study with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to study with No. 8 x 9/16 in, minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels.

PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75).

7B. Framing Members\* - (Optional, Not Shown) - As an alternate to Item 7, for single or double layer systems, furring channels and Steel Framing Members on only one side of studs as described below:

a. Furring Channels - Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to stude as described in Item b. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A.

b. Steel Framing Members\* - Used to attach furring channels (Item 7Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted

KINETICS NOISE CONTROL INC - Type Isomax

BXUV.U419 - Fire-resistance Ratings - ANSI/UL 263

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7C. Framing Members\* — (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) - As an alternate to Item 7, furring channels and Steel Framing Members as described below:

> a. Furring Channels - Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. Steel Framing Members\* — Used to attach furring channels (Item 7Ca) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum selfdrilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into

PLITEQ INC — Type GENIECLIP

7D. Steel Framing Members\* - (Optional on one or both sides, not shown, for single or double layer systems) -Furring channels and Steel Framing Members as described below:

a. Furring Channels - Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 iin. and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. Steel Framing Members\* - Used to attach furring channels (Item 7Da) to studs. Clips spaced 48 in. OC., and secured to study with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips

STUDCO BUILDING SYSTEMS - RESILMOUNT Sound Isolation Clips - Type A237 or A237R

7E. Steel Framing Members\* — (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below:

> a. Furring Channels - Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 7Eb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A and 5E.

b. Steel Framing Members\* — Used to attach furring channels (Item 7Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

7F. Steel Framing Members\* — (Optional on one or both sides, not shown, for single or double layer systems) — Resilient channels and Steel Framing Members as described below:

REGUPOL AMERICA — Type SonusClip

 Resilient Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 lin. from the center of the overlap. Gypsum board attached to resilient channels as described in

b. Steel Framing Members\* — Used to attach resilient channels (Item 7Fa) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling

KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

8. Joint Tape and Compound — Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

9. Siding, Brick or Stucco - (Optional, Not Shown) - Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick. 10. Caulking and Sealants\* - (Optional, Not Shown) - A bead of acoustical sealant applied around the partition

UNITED STATES GYPSUM CO — Type AS

perimeter for sound control.

11. Lead Batten Strips - (Not Shown, For Use With Item 5B) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. Iong Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification OO-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations. Required behind vertical joints.

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BXUV.U419 - Fire-resistance Ratings - ANSI/UL 263

11A. Lead Batten Strips - (Not Shown, For Use With Item 5H) - Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations.

12. Lead Discs or Tabs - (Not Shown, For Use With Item 5B) - Used in lieu of or in addition to the lead batter strips (Item 11) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

12A. Lead Discs - (Not Shown, for use with Item 5H) - Max 5/16 in, diam by max 0.140 in, thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal

Specification QQ-L-201f, Grades "B, C or D". 13. Lead Batten Strips - (Not Shown, For Use With Item 5E) - Lead batten strips, 2 in, wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of study and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in, long min. Type S-8 pan head steel screw at the top of the strip, Lead batten strips to have a purity of 99,9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5E) and optional at remaining stud locations.

14. Lead Tabs — (Not Shown, For Use With Item 5E) — 2 in, wide, 5 in, long with a max thickness of 0.142 in, Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item SE) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive

#### \* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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Surveyor No. 7143

Kimberly McCann Digitally signed by Kimber AR91738 TERED ARCY

MCCANN, AIA REG.#AR91738

TO THE BEST OF THE ARCHITECT'S

KNOWI FDGE, INFORMATION, AN

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COMPLIANCE WITH APPLICABLE

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Designed: MS Drawn: SP Checked: MS

**Job No.:** 201.1118054.000

**C**) 2023

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLET SET OF PLANS, SEE GENERAL NOTES

FOR MASTER LEGEND

Sheet No.

- . Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and
- use of UL Certified products, equipment, system, devices, and materials. Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance
- . When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- · Only products which bear UL's Mark are considered Certified.

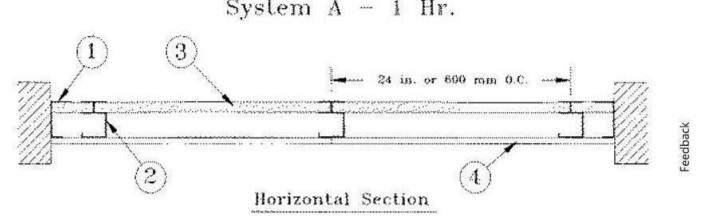
BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design Criteria and Allowable Variances

Design No. **U415** 

February 14, 2022

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr \* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



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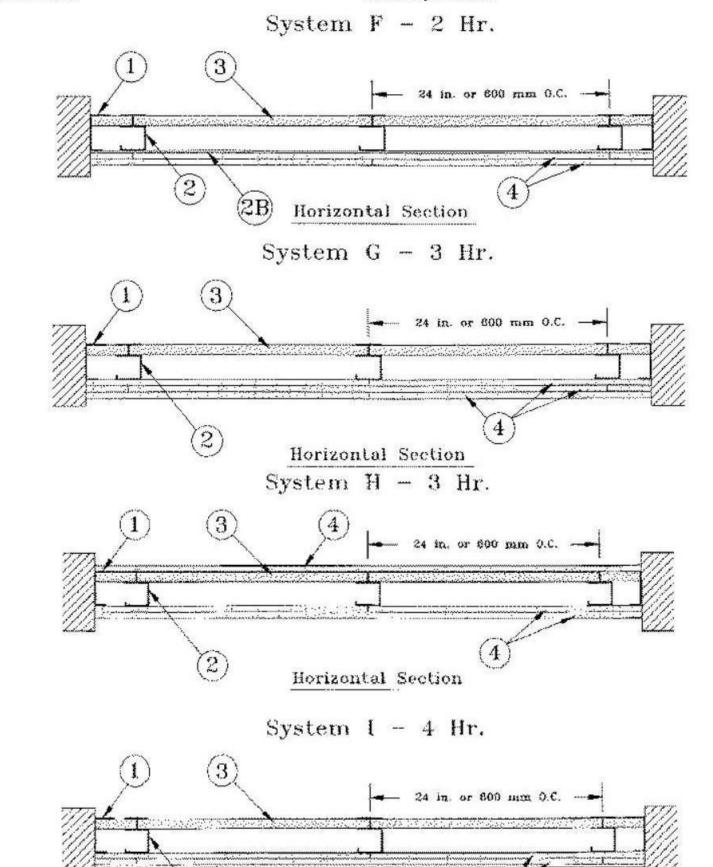
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Horizontal Section

Field Copy **Permit #:** 2023-00003281 Date: 12/21/23 City of Winter Springs

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1. Floor, Side and Ceiling Runners — "J" - shaped runner, min 2-1/2 in. deep (min 4 in. deep when System C is used), with unequal legs of 1 in, and 2 in,, fabricated from min 24 MSG (min 20 MSG when Item 4A, 4B, 4C, 4D or 7 are used) galv steel. Runners

Horizontal Section

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positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC. "E" - shaped studs (Item 2A) may be used as side runners in place of "J" - shaped

2. Steel Studs — "C-H" - shaped studs, min 2-1/2 in. deep (min 4 in. deep when System C is used), fabricated from min 25 MSG (min 20 MSG when Items 2D, 4A, 4B, 4C, 4D or 7 is used) galv steel. Cut to lengths 3/8 to 1/2 in. less than floor-to-ceiling height and spaced 24 in. or 600 mm OC (max 16 in. OC when Items 4A, 4B, 4C, or 4D are used).

2A. Steel Studs — (Not Shown) — "E" - shaped studs installed back to back in place of "C-H" - shaped studs (Item 2) "E" - shaped studs secured together with steel screws spaced a maximum 12 in. OC. Fabricated from min 25 MSG (min 20 MSG when Item 2D, 4A, 4B or 7 is used) galv steel, min 2-1/2 in. deep (min 4 in. deep when System C is used), with one leg 1 in. long and two legs 3/4 in. long. Shorter legs 1 in. apart to engage gypsum liner panels. Cut to lengths 3/8 to 1/2 in. less than floor to ceiling heights.

2B. Furring Channels — (Optional, Not Shown) — For use with single or double layer systems. Resilient furring channels fabricated from min 25MSG corrosion protected steel, installed horizontally, and spaced vertically a max 24 in. OC. Flange portion of channel attached to each intersecting "C-H" or "E" stud on side of stud opposite the 1 in. liner panels with 1/2 in. long Type S or S-12 panhead steel screws. When furring channels are used, wallboard to be installed vertically only. . Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

2C. Furring Channels — For use with System I - "Hat" - shaped, 25 MSG galv steel furring channels attached directly over the inner layers of wallboard to each stud with 2 in. long Type S pan head steel screws. Screws alternate from top flange to bottom flange at each stud intersection. Furring channels spaced vertically max 24 in. OC.

2D. Steel Framing Members\* — (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 4.

b. Steel Framing Members\* — Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC., and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.

PAC INTERNATIONAL L C — Types RSIC-1, RSIC-1 (2.75)

2E. Steel Framing Members\* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below. . Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7). a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.

b. Steel Framing Members\* — Used to attach furring channels (Item 2Ea) to studs. Clips spaced 24 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips. STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

2F. Steel Framing Members\* — (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or a. Furring Channels — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs.

Channels secured to study as described in Item b. Gypsum board installed vertically only and attached to furring channels as described in Item 3.

b. Steel Framing Members\* — Used to attach furring channels (Item 2Da) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC. GENIECLIPS secured to study with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring

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channels are friction fitted into clips. PLITEQ INC — Type GENIECLIP

2G. Steel Framing Members\* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7). a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 2Gb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.

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b. Steel Framing Members\* — Used to attach furring channels (Item 2Ga) to studs. Clips spaced 24 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. REGUPOL AMERICA — Type SonusClip

2H. Steel Framing Members\* — (Optional, Not Shown) — Resilient channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7). a. Resilient Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 4.

b. Steel Framing Members\* — Used to attach resilient channels (Item 2Ha) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.

KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

2I. Steel Framing Members\* — (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

a. Furring Channels — Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board installed vertically only and attached to furring channels as

b. Steel Framing Members\* — Used to attach furring channels (Item 2Ia) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC., and secured to study with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are

CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

3. Gypsum Board\* — Gypsum liner panels, nom 1 in. thick, 24 in. or 600 mm (for metric spacing) wide. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges inserted in "H" portion of "C-H" studs or the gap between the two 3/4 in. legs of the "E" studs. Free edge of end panels attached to long leg of vertical "J" - runners with 1-5/8 in. long Type S steel screws spaced not greater than 12 in. OC. When wall height exceeds liner panel length, liner panel may be butted to extend to the full height of the wall. Horizontal joints need not be backed by steel framing. In System I, butt joints in liner panels are staggered min 36 in. Butt joints backed with 6 in. by 22 in. strips of 3/4 in. thick gypsum wallboard (Item 4). Wallboard strips centered over butt joints and secured to liner panels with six 1-1/2 in. long Type G steel screws, three screws along the 22 in. dimension at the top and bottom of the strips. CGC INC — Type SLX

UNITED STATES GYPSUM CO - Type SLX

USG BORAL DRYWALL SFZ LLC — Type SLX

USG MEXICO S A DE C V — Type SLX

4. Gypsum Board\* —

System A — 1 Hr

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Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. when installed vertically or 8 in OC when installed horizontally. Horizontal joints need not be backed by steel framing.

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, ULX, USGX, WRC, WRX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX

UNITED STATES GYPSUM CO - Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULIX, ULX, WRC, WRX, USGX.

USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX, USGX

USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

System B — 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally in two layers. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC when installed vertically or 16 in. OC when installed horizontally. Outer or face layer attached to studs with 1-5/8 in. long Type S steel screws spaced 12 in. OC when installed vertically and staggered 12 in. from base layer screws or 8 in. OC when installed horizontally and staggered 8 in. from base layer screws. Horizontal joints between inner and outer layers staggered a min of 12 in. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs

CGC INC — 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Types C and SCX

UNITED STATES GYPSUM CO — 1/2 in. Types C, IP-X2, IPC-AR, or WRC; 5/8 in. Types AR, C, FRX-G, IP-X1, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULIX, ULX, USGX, WRC, WRX.

USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, USGX

USG MEXICO S A DE C V — 1/2 in. Types C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC,

System C — 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 3/4 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, secured with 1-1/4 in. long Type S steel screws spaced 8 in. OC along vertical edges and 12 in. OC in the field when installed vertically or 8 in. OC along the vertical edges and in the field when installed horizontally. Horizontal joints need not be backed by steel framing. Screws along side joints offset 4 in. Requires min 4 in. deep framing per Items 1, 2 and 3. Requires min 3 in. thick mineral wool batts per Item 6.

CGC INC — Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — Types IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — Type ULTRACODE

**USG MEXICO S A DE C V** — Types IP-X3 or ULTRACODE

System D — 2 Hr

Gypsum panels, with beveled, square or tapered edges, nom 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached directly to studs with 1 in. long Type S steel screws spaced 24 in. when installed vertically or 16 in. OC when installed horizontally. Horizontal joints need not be backed by steel framing. Requires face layer of 1/2 or 5/8 in. thick cementitious backer units per Item 7 and min 1-1/2 in. thick mineral wool batts per Item 6.

https://iq.ulprospector.com/en/profile?e=14975



Ph. (407) 745-5300

Plans Prepared By:

CPH, LLC.

State of Florida Licenses:

Architect No. AA2600926

Landscape No. LC000029 Surveyor No. 7143

nberly McCann Digitally signed by Kimbe on Cann DN: CN=Kimberly McCann DN: CN=Kimberly McCan DN: CN=Kimberly M

(IM MCCANN, AIA FL.REG.#AR91738

Designed: MS

Checked: MS

**Job No.:** 201.1118054.000

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE

SET OF PLANS. SEE GENERAL NOTES

FOR MASTER LEGEND

Sheet No.

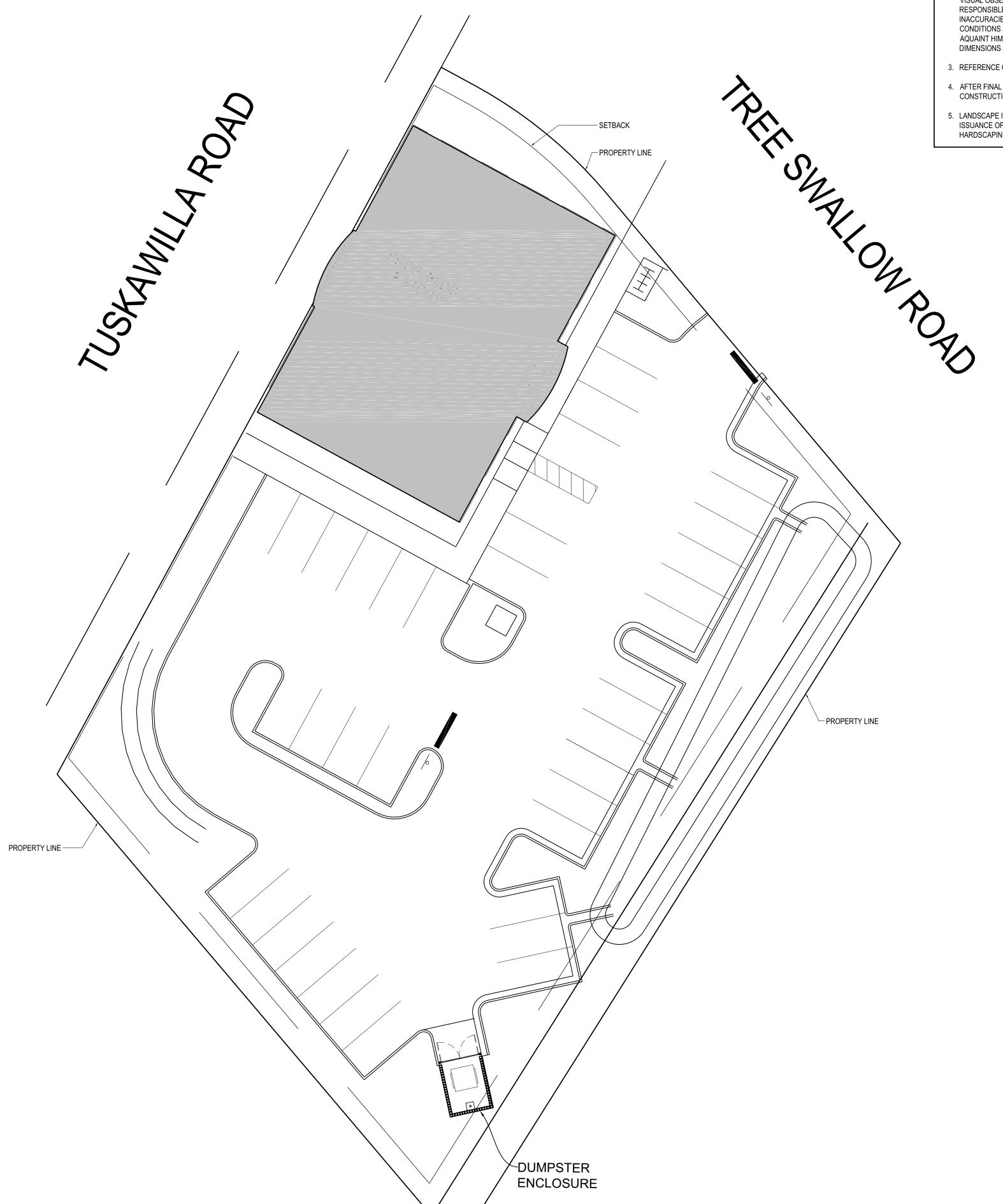
TO THE BEST OF THE ARCHITECT'S KNOWLEDGE, INFORMATION, AND

BELIEF, THIS DESIGN IS IN

CODES AND LAWS

COMPLIANCE WITH APPLICABLE

Engineer No. 3215





- 1. REFERENCE SHEET A003 FOR GENERAL CONDITIONS AND ADDITIONAL REQUIREMENTS AFFECTING THIS WORK.
- 2. SITE INFORMATION SHOWN HEREIN IS TAKEN FROM INFORMATION PROVIDED BY OTHERS NOT UNDER CONTRACT/CONTROL OF THE ARCHITECT. THE ARCHITECT HAS VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION BASED ON VISUAL OBSERVATION ONLY. THEREFORE THE ARCHITECT SHALL NOT BE HELD RESPONSIBLE FOR ERRORS, OMISSIONS, CONFLICTS, DEFICIENCIES OR INACCURACIES ARISING FROM DISCOVERY OF CONCEALED, UNKNOWN OR DIFFERING CONDITIONS AS A RESULT OF THIS CIRCUMSTANCE. CONTRACTOR SHOULD FULLY AQUAINT HIMSELF WITH THE SITE AND FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO PERFORMING ANY WORK.
- 3. REFERENCE CIVIL DRAWINGS FOR LOCATION OF BUILDING ON SITE.
- 4. AFTER FINAL GRADING AND PRIOR TO CONSTRUCTION, PRE-TREAT SOIL UNDER NEW CONSTRUCTION FOR WOOD DESTROYING ORGANISMS PER FBC 1816.
- 5. LANDSCAPE IMPROVEMENTS WILL BE INSPECTED BY LOCAL AUTHORITIES PRIOR TO ISSUANCE OF OCCUPANCY. REFERENCE LANDSCAPE PLANS FOR LANDSCAPING, HARDSCAPING AND IRRIGATION REQUIREMENTS.

Surveyor No. 7143

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1011 E. COLONIAL DR #307

ORLANDO, FLORIDA 32803

Ph. (407) 745-5300

Plans Prepared By : CPH, LLC.

State of Florida Licenses: Architect No. AA2600926

Engineer No. 3215

Landscape No. LC0000298

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Designed: MS **Job No.:** 201.1118054.000

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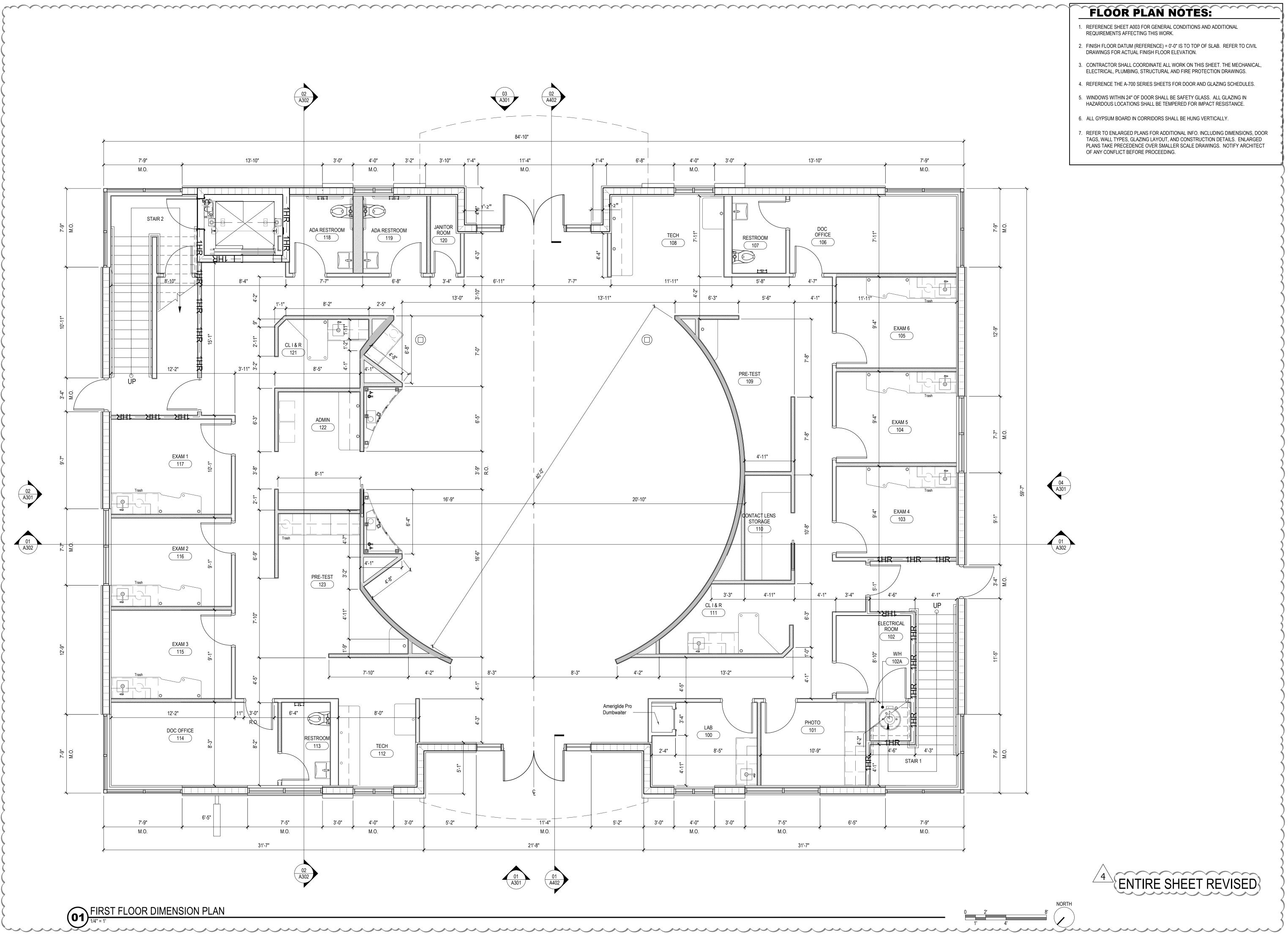
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Field Copy

City of Winter Springs

**Date:** 12/21/23

Permit #: 2023-00003281





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1011 E. COLONIAL DR #307

ORLANDO, FLORIDA 32803 Ph. (407) 745-5300 Plans Prepared By : CPH, LLC.

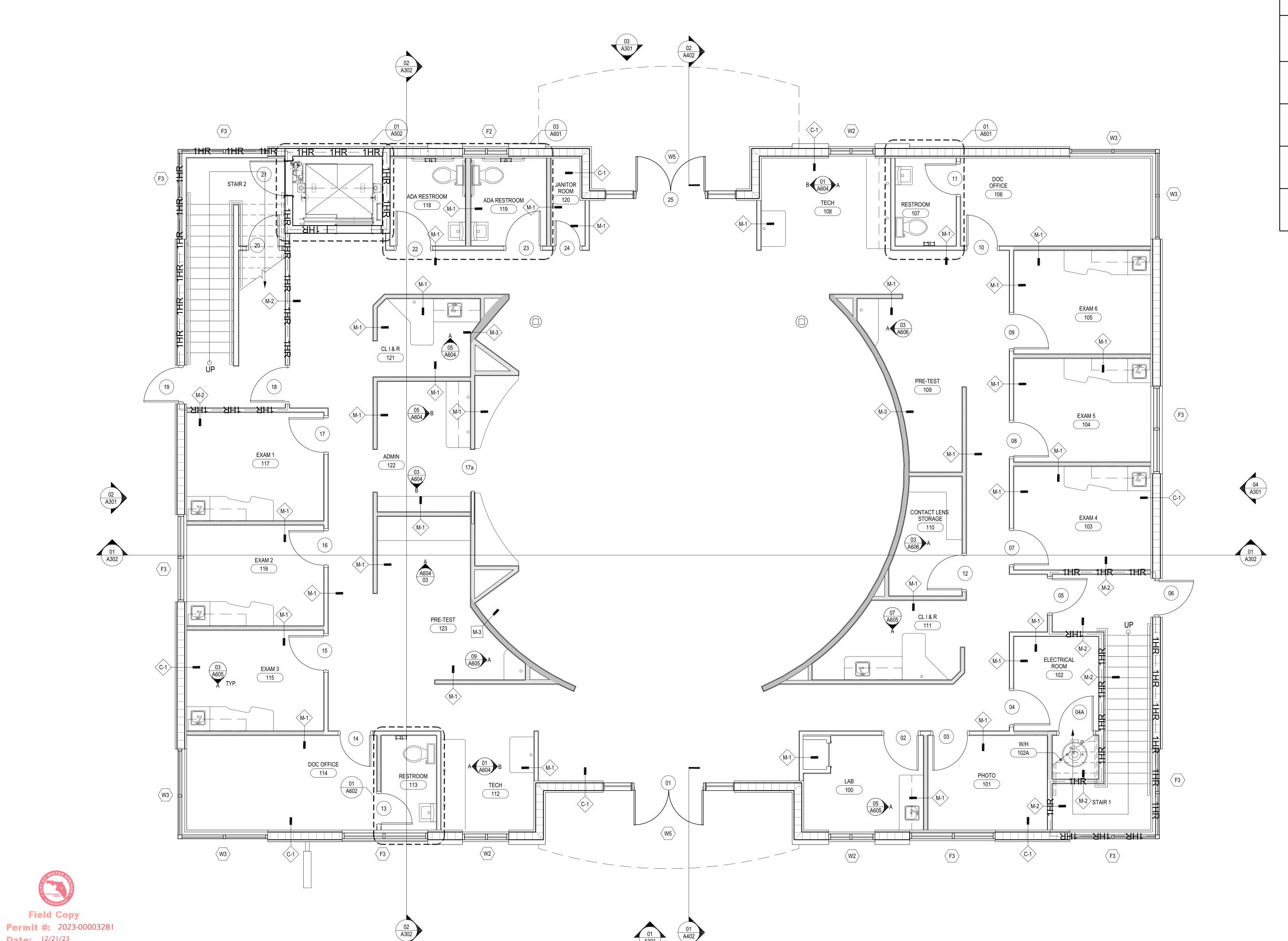
> State of Florida Licenses: Architect No. AA2600926 Engineer No. 3215 Landscape No. LC0000298 Surveyor No. 7143



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Drawn:	SP
Checked:	MS
Job No.:	201.1118054.000
C 2023	10.02.2023

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**City of Winter Springs** 

FIRST FLOOR REFERENCE PLAN

1/4" = 1'

**Date:** 12/21/23

## **GENERAL NOTES**

. SEE FIRST SHEET OF SERIES FOR APPLICABLE GENERAL NOTES.

WALL TYPE LEYEND						
	9'-6" HEIGHT WALL					
	8'-9" HEIGHT WALL					
	11'-0" HEIGHT WALL					
	FULL HEIGHT WALL					
1HR	1 HOUR RATED					

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Designed: MS

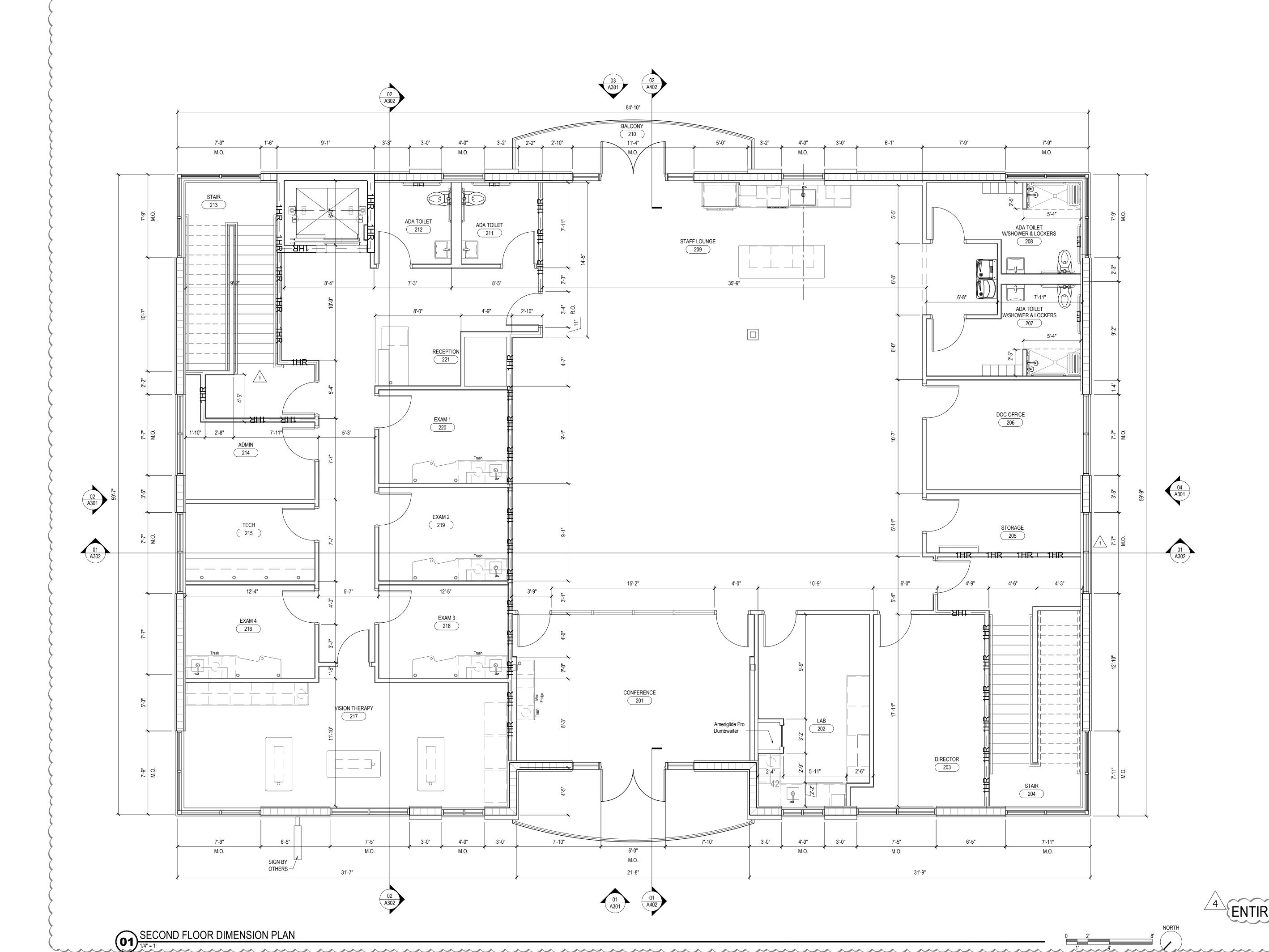
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Sheet No. **A202** 



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Plans Prepared By :
CPH, LLC.

State of Florida Licenses:
Architect No. AA2600926
Engineer No. 3215
Landscape No. LC0000298
Surveyor No. 7143



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FIRE REVIEW COMMENTS	FIRE REVIEW COMMENTS	FIRE REVIEW COMMENTS	REVISION 4 - INTERIOR DESIGN PACKAGE			REVISION
10.26.2023	11.15.2023	12.04.2023	01.12.2024			DATE
01	05	03	04			NO.

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 MS

 Drawn:
 SP

 Checked:
 MS

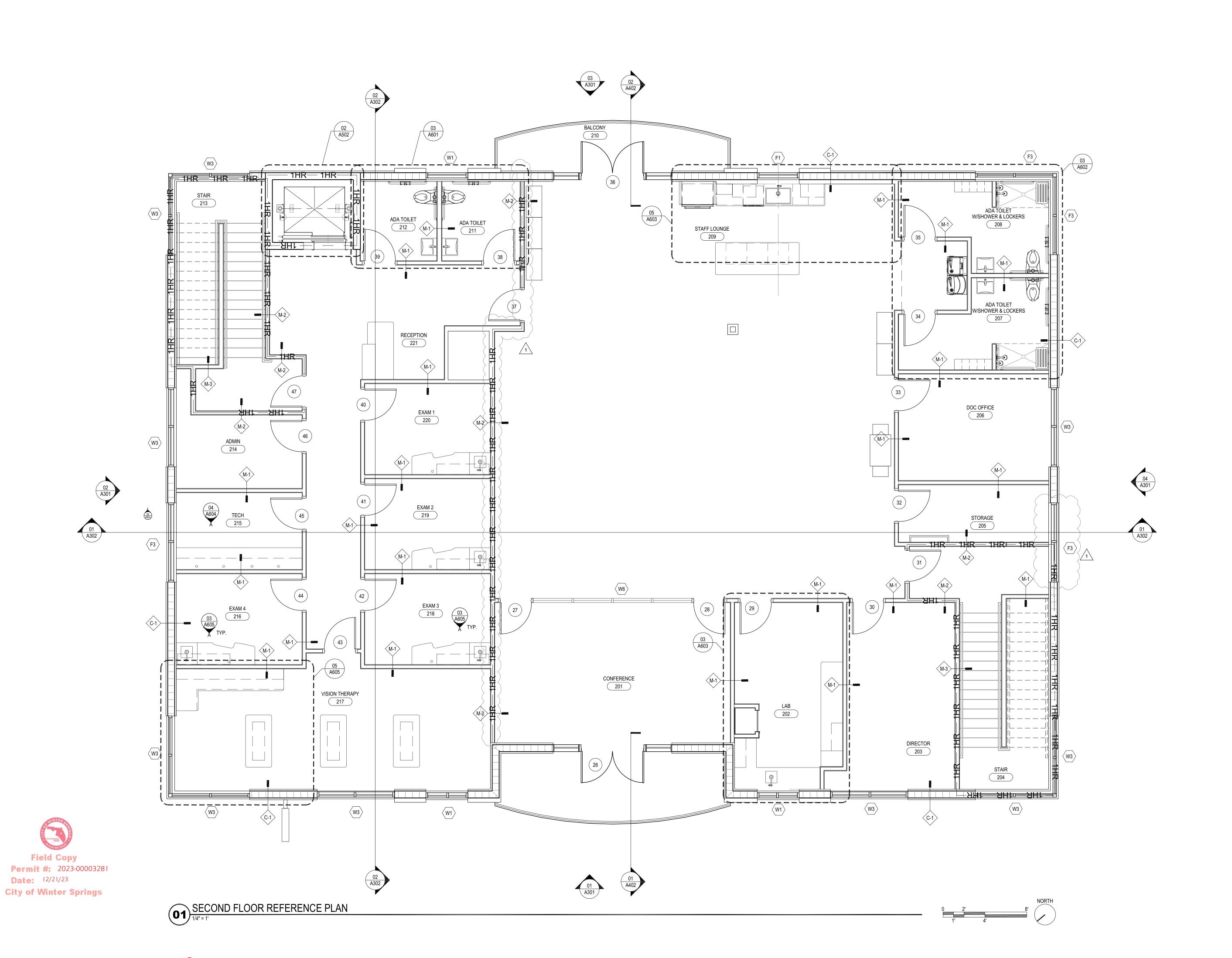
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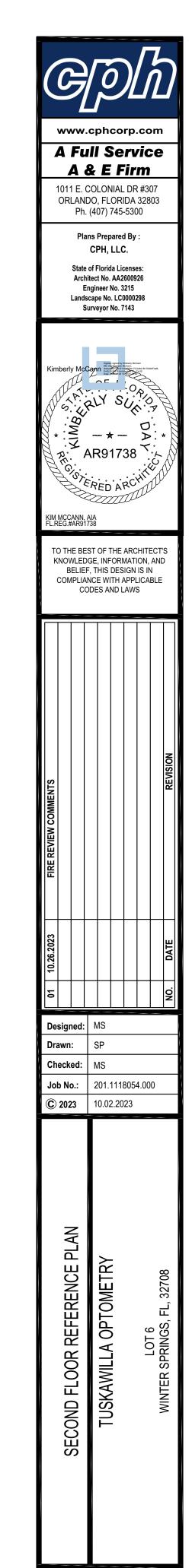
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FLOOR DIMENSION PLAN (AWILLA OPTOMETRY

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS. SEE GENERAL NOTES FOR MASTER LEGEND

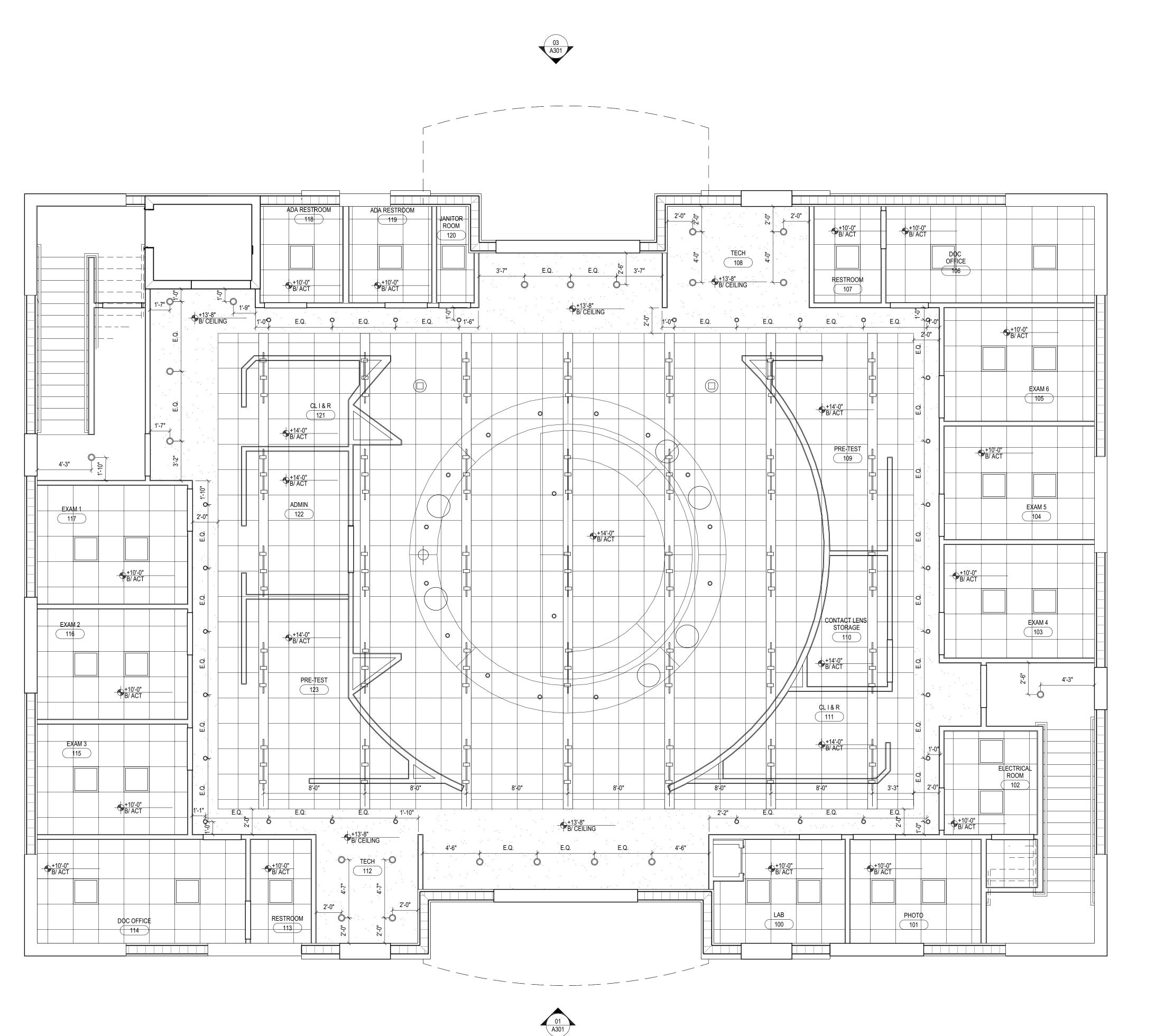
Sheet No. **A203** 





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Sheet No.

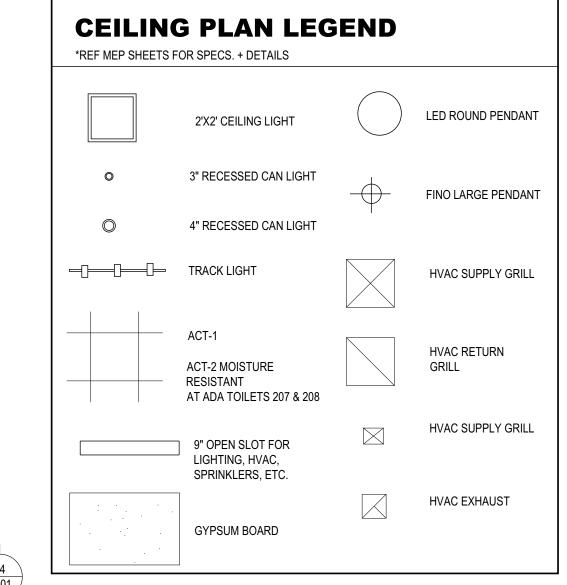




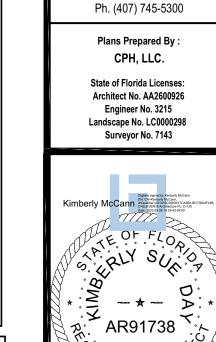
- REFERENCE SHEET A003 FOR GENERAL CONDITIONS AND ADDITIONAL REQUIREMENTS EFFECTING THIS WORK.
- 2. FINISH FLOOR DATUM (REFERENCE) = 0'-0" IS TO TOP OF SLAB. REFER TO CIVIL DRAWINGS FOR ACTUAL FINISH FLOOR ELEVATION. ALL CEILING ELEVATION FINISHES ARE FROM TOP OF SLAB UNLESS NOTED OTHERWISE.
- 3. CONTRACTOR SHALL COORDINATE ALL WORK ON THIS SHT. WITH THE DEMOLITION WORK, AND THE MECHANICAL, ELECTRICAL, PLUMBING,
- 4. REFERENCE THE A-700 SERIES SHEETS FOR FINISH SCHEDULE.

STRUCTURAL AND FIRE PROTECTION DRAWINGS.

- 5. USE MATERIALS IDENTICAL TO EXISTING MATERIALS. FOR EXPOSED SURFACES, USE MATERIALS THAT VISUALLY MATCH EXISTING ADJACENT SURFACES INSOFAR AS POSSIBLE. IF IDENTICAL MATERIALS ARE UNAVAILABLE OR CANNOT BE USED, USE MATERIALS WHOSE INSTALLED PERFORMANCE WILL EQUAL OR SURPASS THAT OF EXISTING MATERIALS.
- 6. LOCATION OF CEILING GRID AND TILES ARE REFERENCED FROM EQUAL DISTANCE BETWEEN OPPOSITE WALLS. U.N.O.
- 7. GYPSUM BOARD CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLATION OF ALL SUPPLEMENTAL AND MISCELLANEOUS ITEMS REQUIRED TO ADEQUATELY SUPPORT ALL GYPSUM BOARD DROPS, SOFFITS, CORNICES, ECT. FROM STRUCTURE ABOVE.
- 8. ALL FINISH CEILING MATERIALS SHALL BE INSTALLED AFTER UTILITIES, HANGARS, SUPPORTS, INSULATION AND MISC. INTERSTITIAL ITEMS ARE INSTALLED.



NOTE: PENDANT EXACT LOCATION TO BE COORDINATE WITH RETAIL ONE



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ORLANDO, FLORIDA 32803

SWAT DIVENSITY OF THE SET

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Drawn: SP

Checked: MS

Job No.: 201.1118054.000

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SKAWILLA OPTOMETRY

LOT 6
VINTER SPRINGS, FL, 32708

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Sheet No.

Sheet No.
A205

FIRST FLOOR RCP

02 A301

Field Copy

**City of Winter Springs** 

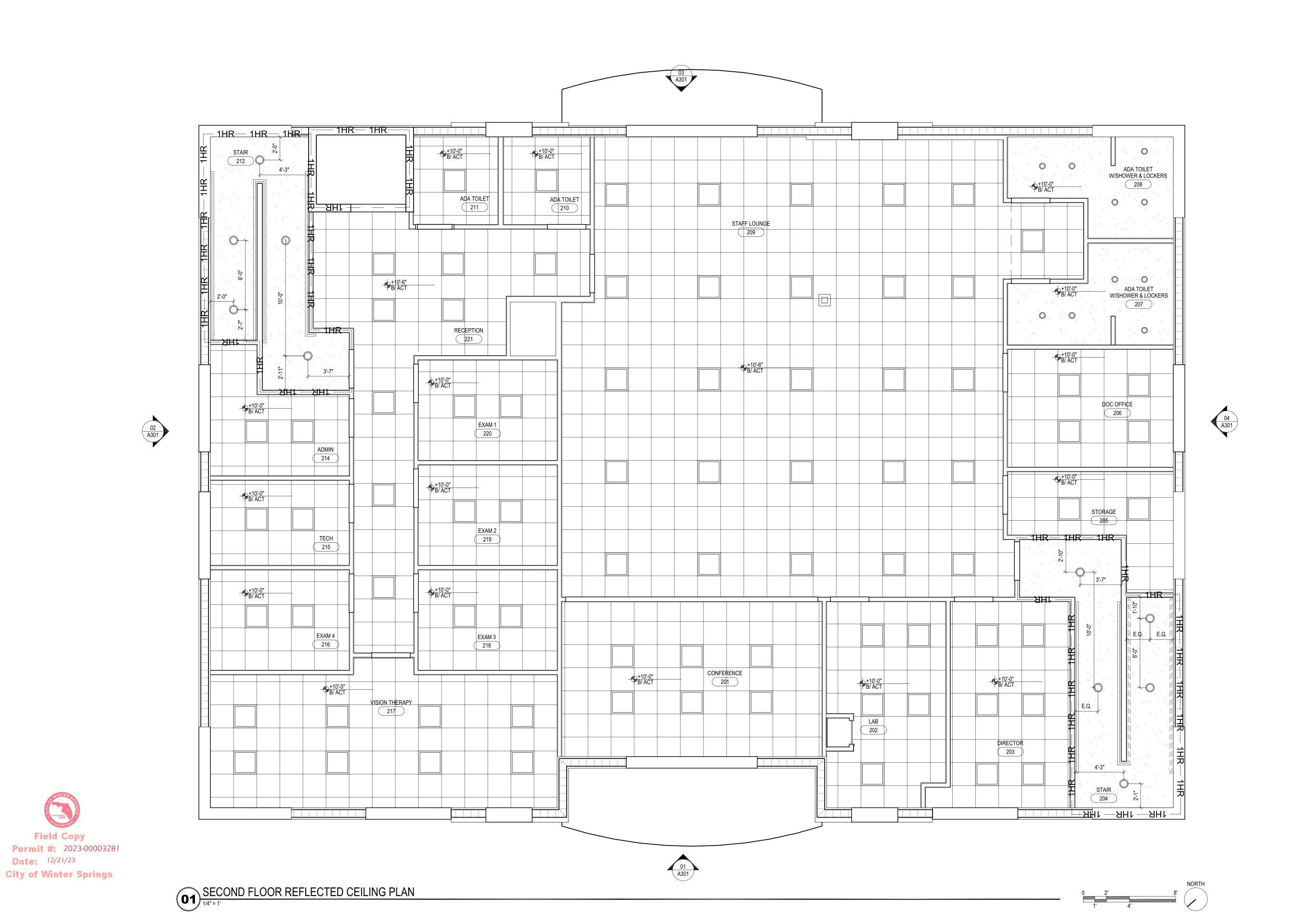
Date: 12/21/23

Permit #: 2023-00003281

0 2' 8'

## **GENERAL NOTES**

. SEE FIRST SHEET OF SERIES FOR APPLICABLE GENERAL NOTES.



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Date: 12/21/23



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Ph. (407) 745-5300

Plans Prepared By : CPH, LLC. State of Florida Licenses: Architect No. AA2600926

Engineer No. 3215 Landscape No. LC0000298 Surveyor No. 7143

AR91738 CONTRED ARCY

Kimberly Day McCann, AIA FL. REG.#AR0091738

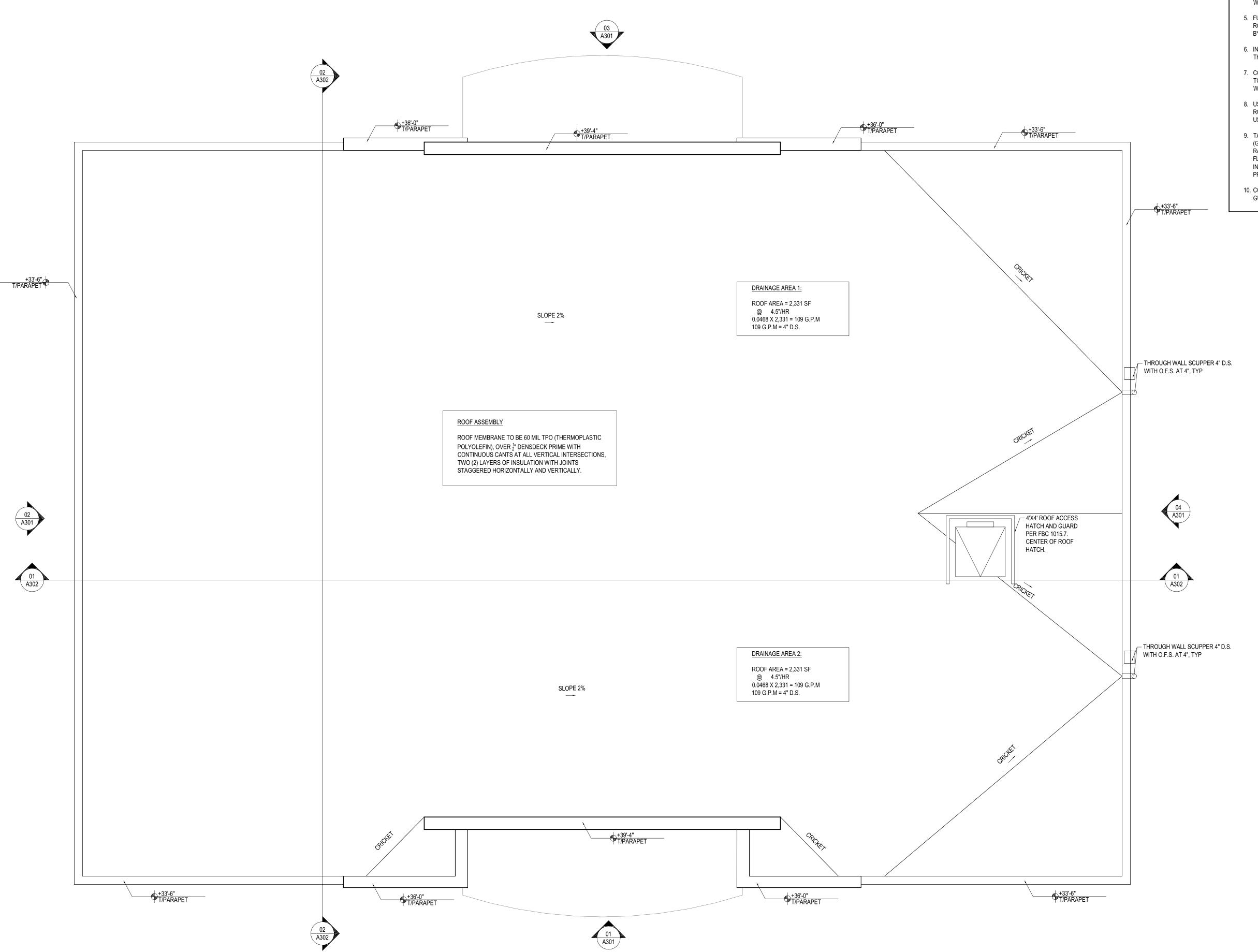
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Checked: Issued Date: 08/24/2023

SECOND FLOOR RCP TUSKAWILLA SELF-STORAGE

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**ROOF PLAN NOTES:** 

- REFER TO ARCHITECTURAL GENERAL CONDITIONS, SHEET A003, FOR ADDITIONAL REQUIREMENTS AFFECTING THIS WORK.
- 2. FINISH FLOOR CORRESPONDING REFERENCE ELEVATION= 0'-0" IS TO TOP OF FIRST FLOOR SLAB, UNLESS NOTED OTHERWISE. REFER TO CIVIL DRAWINGS FOR
- GEODIMENSIONAL ELEVATION.

  3. CONTRACTOR SHALL COORDINATE ALL WORK ON THIS SHEET THE MECHANICAL,
- 4. ROOFING SYSTEM(S) SHALL BE DESIGNED, FABRICATED AND INSTALLED TO

ELECTRICAL, PLUMBING, STRUCTURAL AND FIRE PROTECTION DRAWINGS.

- WITHSTAND WIND SPEED DESIGN IDENTIFIED ON STRUCTURAL DRAWINGS.
- 5. FURNISH ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ROOFING SYSTEM, COMPLETE WITH ALL ACCESSORIES AND INCIDENTALS REQUIRED BY THE ROOFING MANUFACTURER.
- 6. INSTALLER SHALL PROVIDE CERTIFICATION FROM ROOFING SYSTEM MANUFACTURER THAT INSTALLER IS APPROVED FOR INSTALLATION OF SPECIFIED ROOFING SYSTEM.
- 7. CONTRACTOR SHALL PROVIDE MANUFACTURERS STANDARD WARRANTY AGREEING TO PROMPT REPAIR OF LEAKS RESULTING FROM DEFECTIVE MATERIALS OR WORKMANSHIP FOR A PERIOD OF 20 YEARS.
- 8. USE A SYNTHETIC HIGHLY PERMEABLE, WRB UNDERLAYMENT. UNDER ALL SLOPES ROOFING MATERIALS. INSTALL OVER EXTERIOR GRADE PLYWOOD DECKING (DO NOT USE OSB).
- 9. TAPE ALL DECK SEAMS WITH SELF ADHERE (SA) WATERPROOFING (WP) MEMBRANE (GRACE ICE & WATER SHIELD OR EQUAL). TAPE IN SIMILAR MANNER, ALL EDGES (RAKES, EAVES, FASCIAS, HIPS, RIDGES, ETC.); INCLUDING UNDER ALL METAL FLASHING; ALL VALLEYS 12" EACH SIDE UNDER VALLEY FLASHING; ALL VERTICAL INTERSECTIONS, PENETRATIONS & ANY OTHER SEAMS AS APPROPRIATE TO STORM PROOF ROOF ASSEMBLY.
- 10. CONTRACTOR SHALL CALCULATE RAINWATER DRAINAGE CAPACITIES NEEDED TO SIZE GUTTERS & DOWN SPOUTS BASED ON 4.5"/HR RAINFALL REQUIREMENT.

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ORLANDO, FLORIDA 32803 Ph. (407) 745-5300

Plans Prepared By :
CPH, LLC.

State of Florida Licenses:
Architect No. AA2600926
Engineer No. 3215
Landscape No. LC0000298
Surveyor No. 7143

Kimberly McCan

Spills result by Enterty McCan

Result of the State of

REG.#AR91738

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Checked: MS
Job No.: 201.1118054.000
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CAWILLA OPTOMETRY

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Sheet No. **A207** 

ROOF PLAN

1/4" = 1'

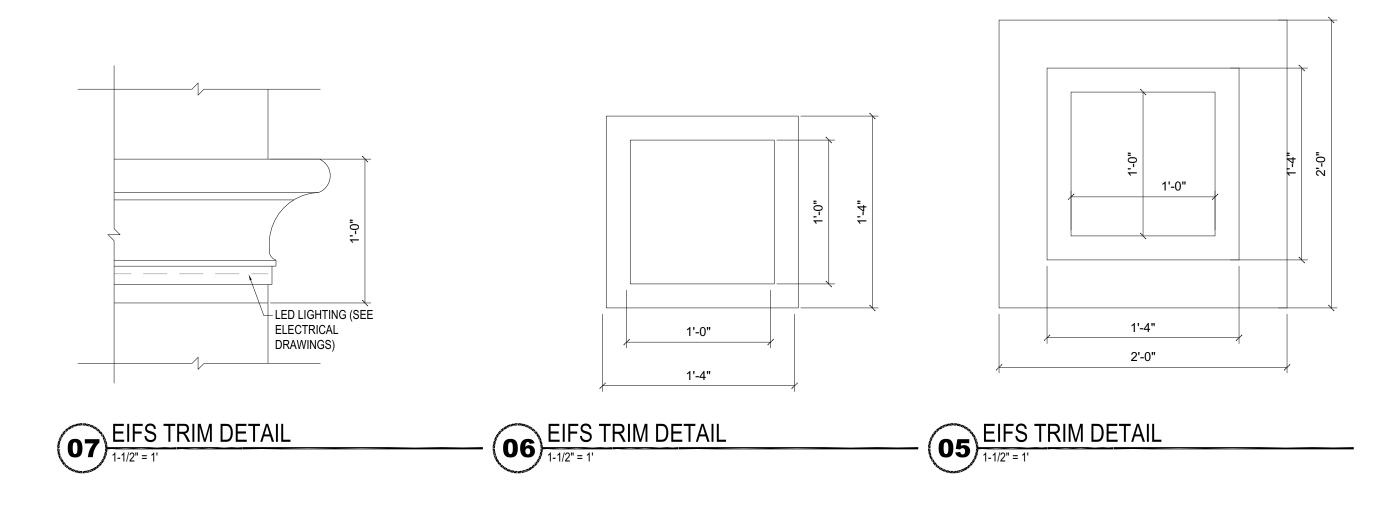
Field Copy

City of Winter Springs

Date: 12/21/23

Permit #: 2023-00003281

NORTH 8'



Field Copy

City of Winter Springs

Date: 12/21/23

Permit #: 2023-00003281

 $\bigcirc 04$   $\bigcirc 03$   $\bigcirc 02$   $\bigcirc 07$ 

			FINISH S	CHEDULE		
	TAG DESCRIPTION MANUFACTURE			COLOR	COMMENTS	
	01	EIFS	TBD	SW 9119 DIRTY MARTINI		
	02	EIFS TRIM	TBD	SW 9541 WHITE SNOW		
	03	EIFS	TBD	SW 9027 PALE MOSS		
	04	STONE VENEER	TBD	-		
	05	FAUX WINDOW	TBD			
	06	LED LINEAR LIGHTING CHANNEL	IBD		TYPICAL BELOW TRIM	
	07	BALUSTRADE SYSTEM	TBD			
<u> </u>	08	CLAUMET 13 DEGREE WALL 2X6 CYLINDER UP/DOWN ACCENT LIGHT	TBD			
	09	HOLLOW METAL DOOR	TBD	SW 9119 DIRTY MARTINI		
	10	DOWNSPOUTS	TBD	SW 9119 DIRTY MARTINI	==	
	F	FAUX WINDOW	TBD	SEE SHEET A701		

 $\bigcirc 05 \bigcirc 07 \bigcirc 02 \bigcirc 06 \bigcirc 08 \bigcirc 02 \bigcirc 05 \bigcirc 06 \bigcirc$ 

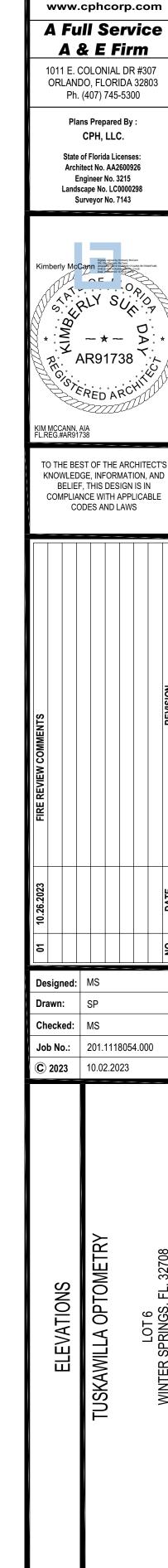
## **ELEVATION NOTES:**

- 1. REFERENCE SHEET A003 FOR GENERAL CONDITIONS AND ADDITIONAL REQUIREMENTS AFFECTING THIS WORK.
- 2. FINISH FLOOR DATUM (REFERENCE) = 0'-0" IS TO TOP OF SLAB. REFER TO CIVIL
- DRAWINGS FROM ACTUAL FINISH FLOOR ELEVATION. 3. CONTRACTOR SHALL COORDINATE ALL WORK ON THIS SHEET WITH THE

MECHANICAL, ELECTRICAL, PLUMBING, STRUCTURAL AND FIRE PROTECTION

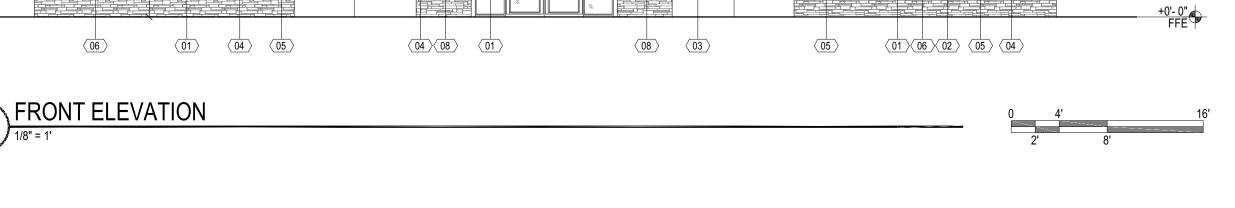
WITHSTAND DESIGN WIND PRESSURE IDENTIFIED ON STRUCTURAL DRAWINGS.

- 4. ALL PRE-MANUFACTURED TRIM, MOLDINGS, CLADDING & COMPONENTS SHALL BE FASTENED AND ADHERED TO BUILDING PER MANUFACTURER SPECIFICATIONS TO
- 5. COORDINATE WITH ARCHITECT THE LOCATION OF ALL ADDITIONAL CONTROL JOINTS REQUIRED BUT NOT INDICATED ON PLANS.

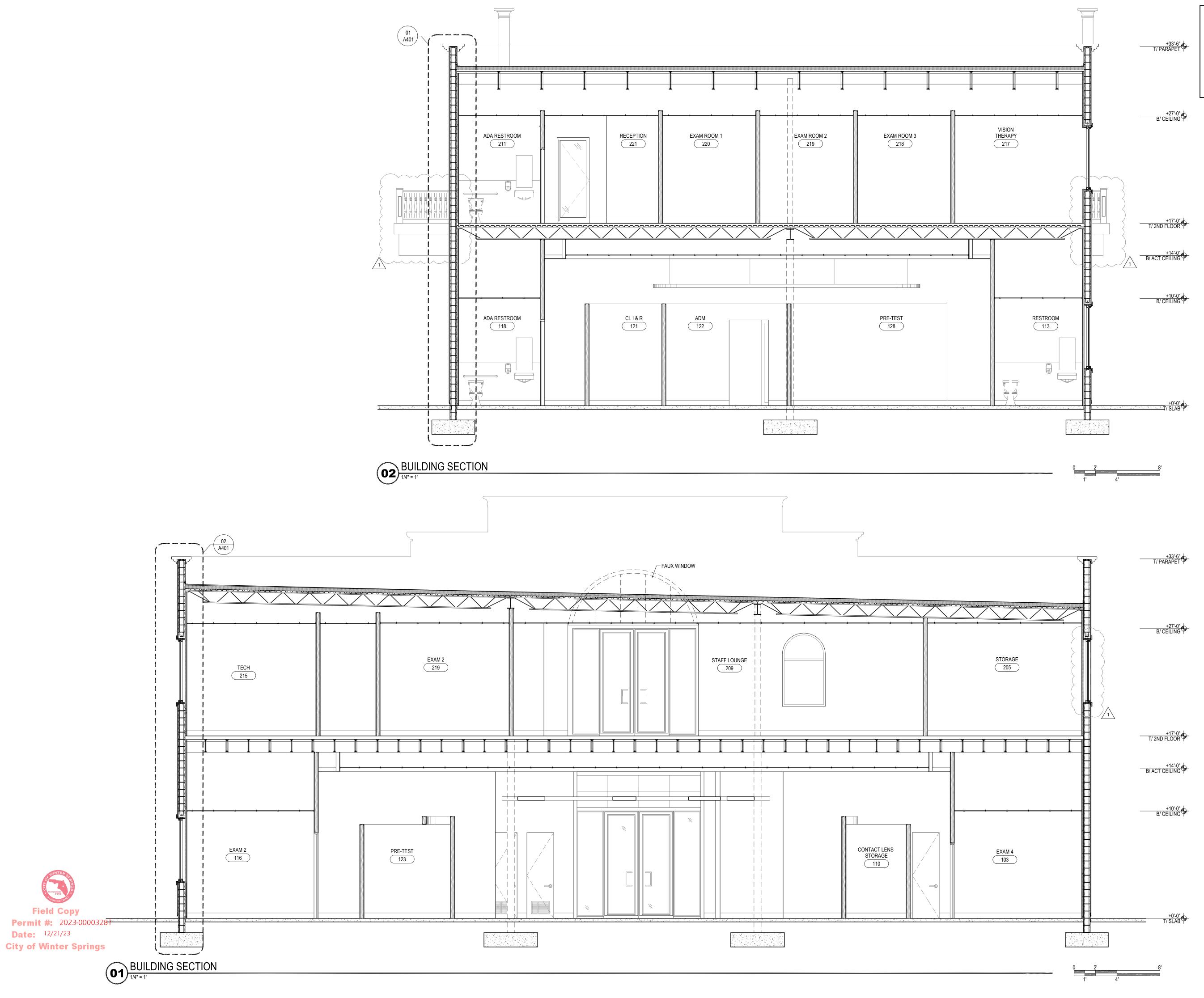


FIRE REVIEW COMMENTS									REVISION	
10.26.2023									DATE	
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<b>©</b>	2023		10.02.2023							
ELEVATIONS				THSKAWIII A OPTOMETRY			ATO.		WIN EK SPRINGS, FL, 32/08	

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## **BUILDING SECTION NOTES:**

- REFERENCE SHEET A003 FOR GENERAL CONDITIONS AND ADDITIONAL REQUIREMENTS AFFECTING THIS WORK.
- FINISH FLOOR DATUM (REFERENCE) = 0'-0" IS TO TOP OF SLAB. REFER TO CIVIL DRAWINGS FOR ACTUAL FINISH FLOOR ELEVATION.
- 3. CONTRACTOR SHALL COORDINATE ALL WORK ON THIS SHEET WITH THE DEMOLITION WORK, AND THE MECHANICAL, ELECTRICAL, PLUMBING, STRUCTURAL AND FIRE PROTECTION DRAWINGS.



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Plans Prepared By :
CPH, LLC.

State of Florida Licenses:
Architect No. AA2600926
Engineer No. 3215
Landscape No. LC0000298
Surveyor No. 7143

aberly McCann See grad from Mc

REG.#AR91738

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01 10.26.2023 FIRE REVIEW COMMENTS

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 SP

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 201.1118054.000

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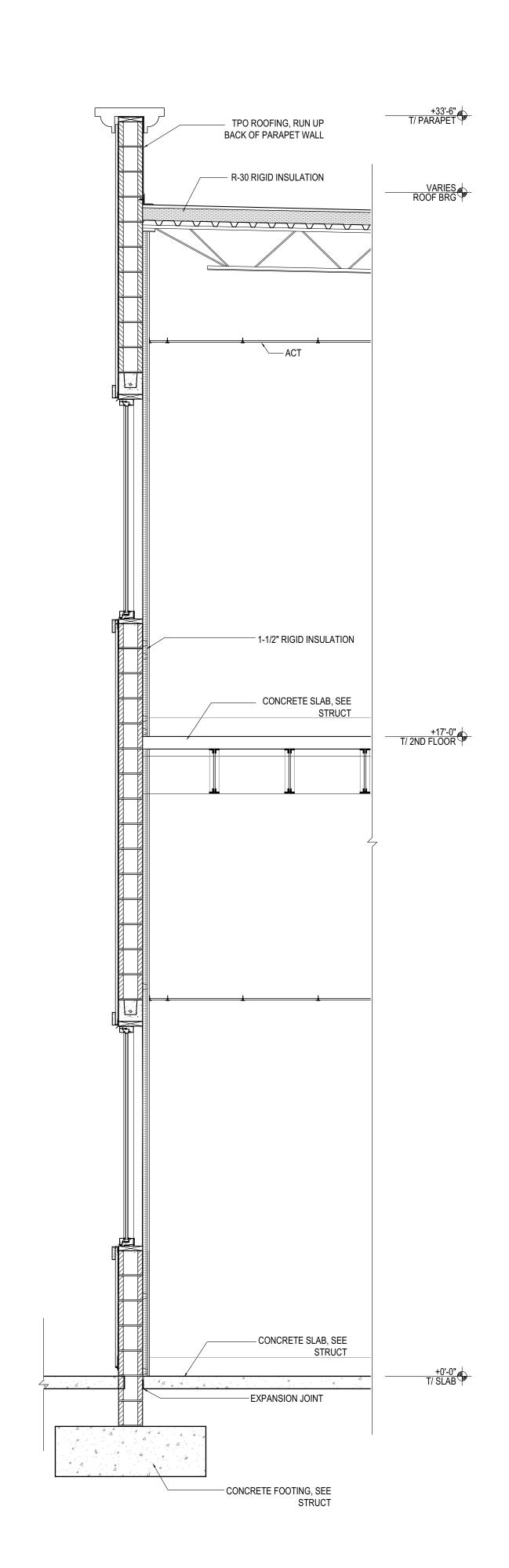
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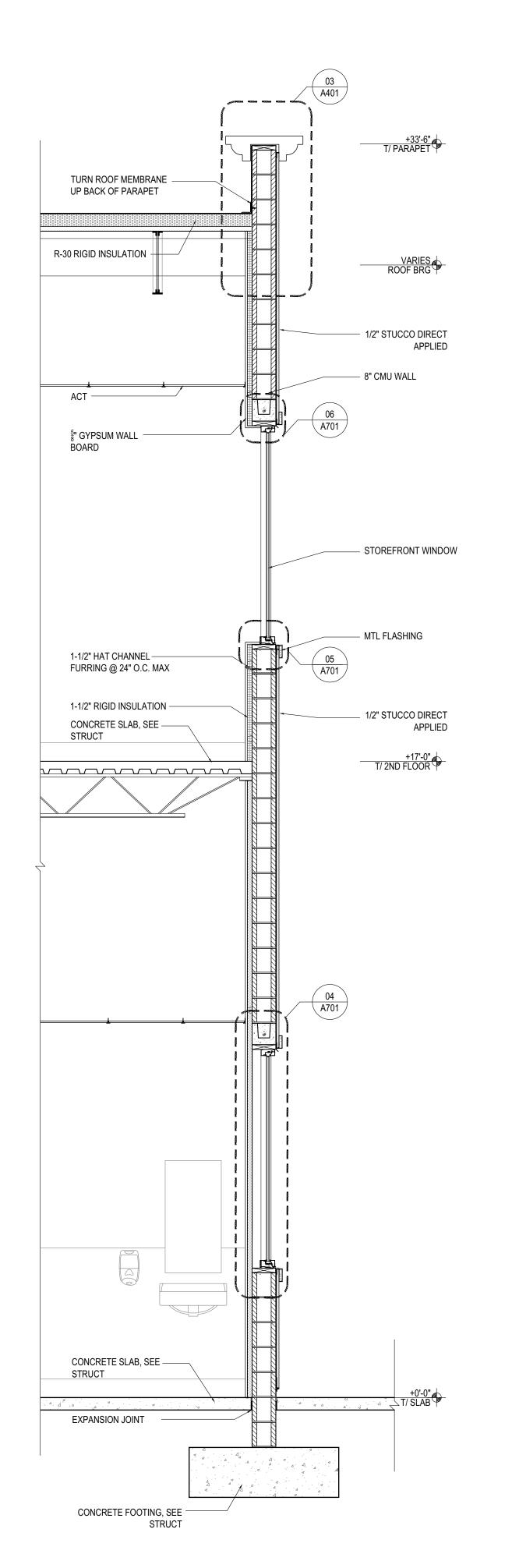
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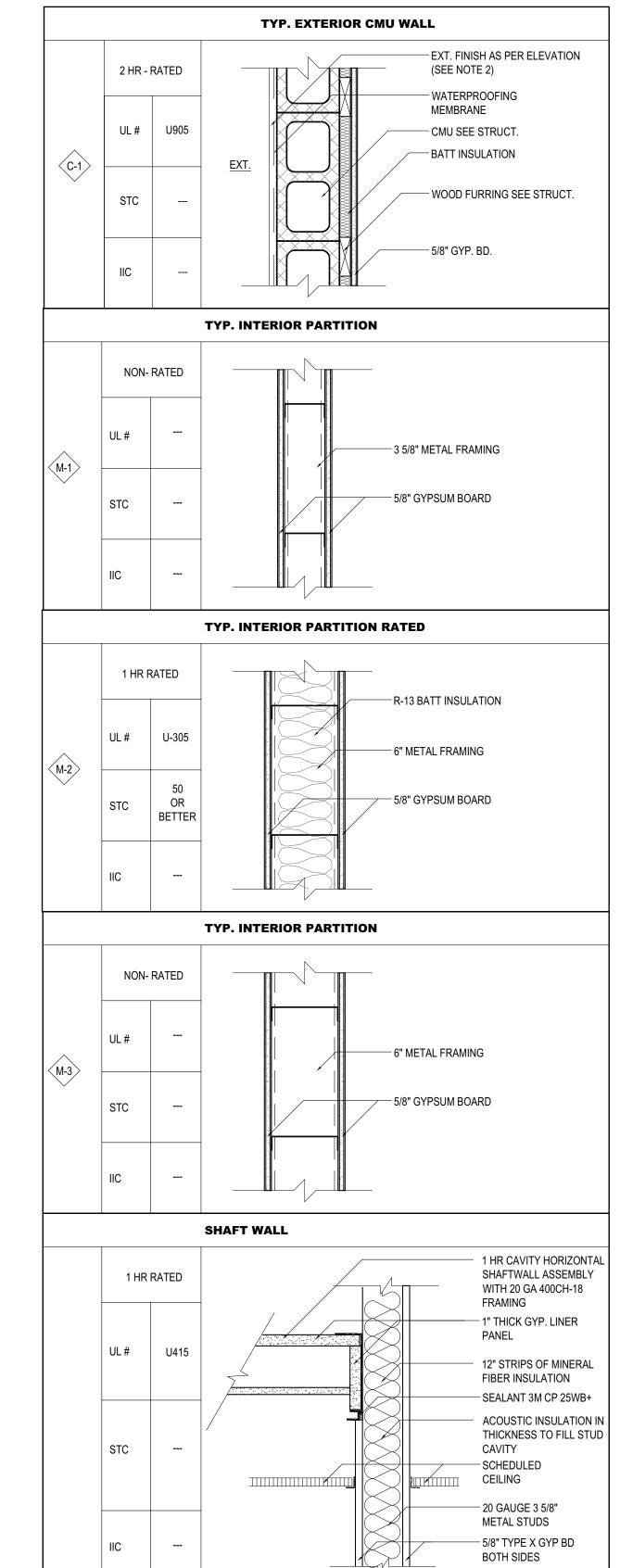
WINTER SPRINGS, FL, 32708

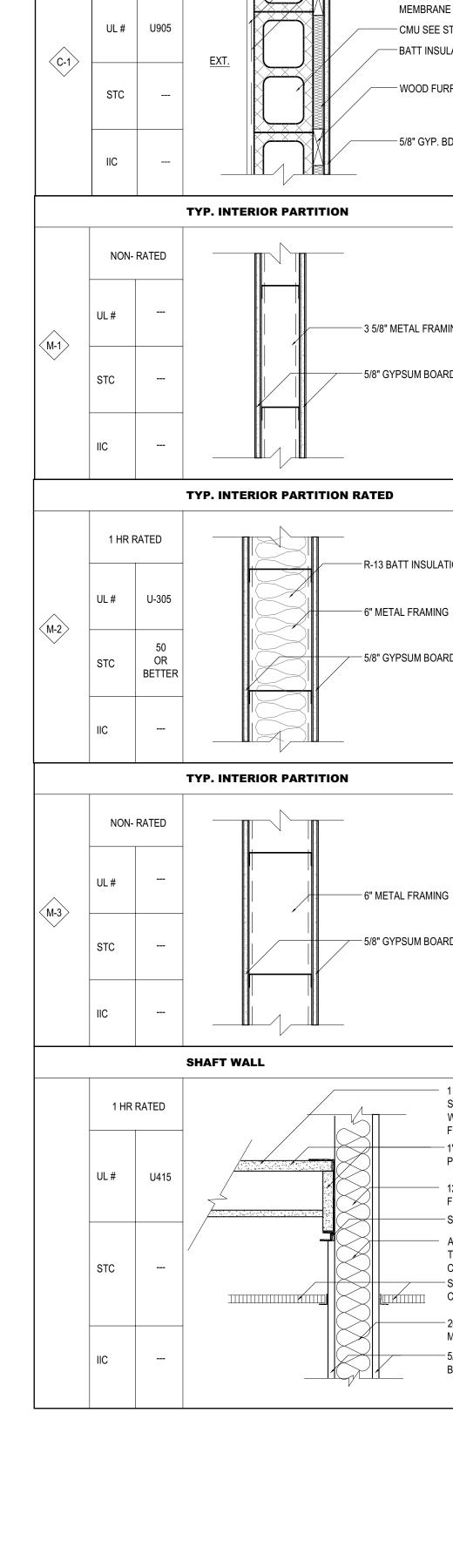
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Sheet No.













CMU SEE STRUCT.

RIGID INSULATION -

WOOD FURRING

FOAM PARAPET CAP-

TPO ROOFING, RUN UP BACK OF PARAPET WALL -

R-30 RIGID INSULATION

HORIZONTAL TRANSITION / STONE VENEER-STUCCO

 $-rac{1}{2}$ " STUCCO FINISH

-FLEXIBLE FLASHING

- METAL FLAHSING

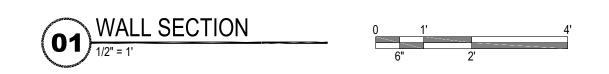
- MORTAR JOINT

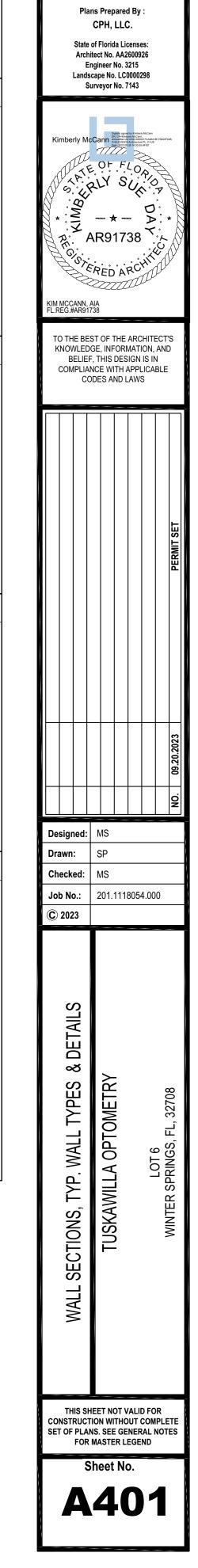
— WATER TABLE

- MORTAR SETTING

- ½" STUCCO ON MTL LATH OVER WATERPROOF MEMBRANE







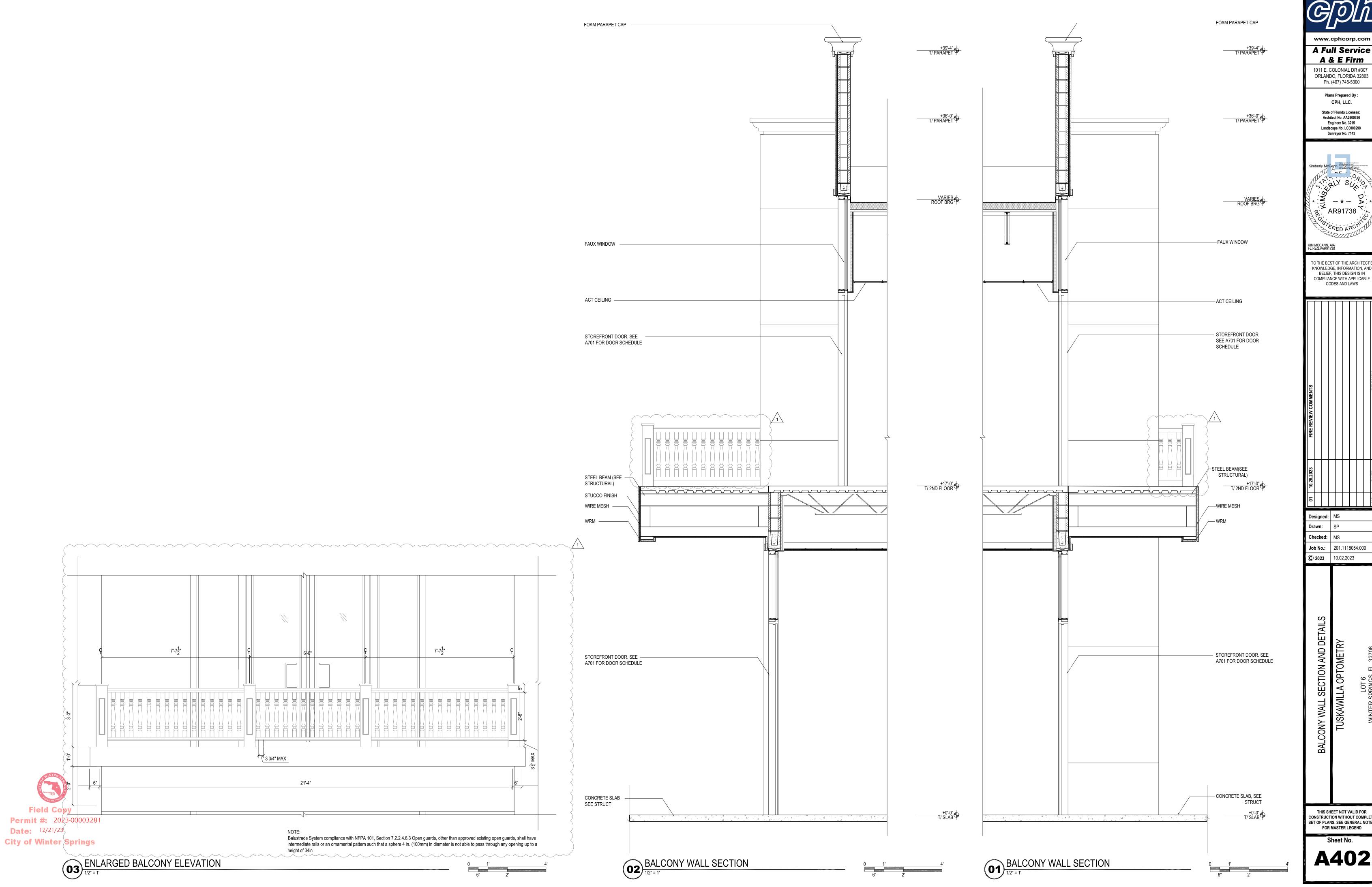
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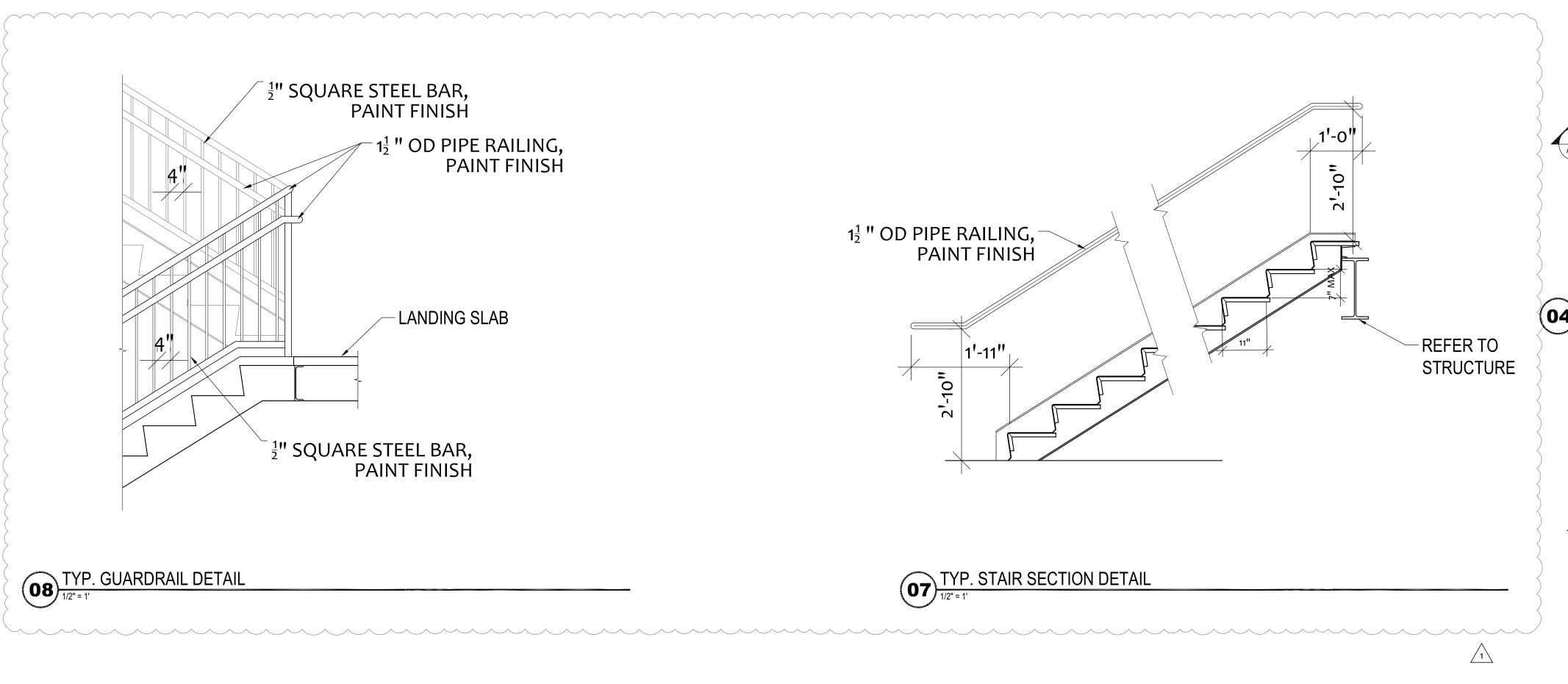
1011 E. COLONIAL DR #307 ORLANDO, FLORIDA 32803

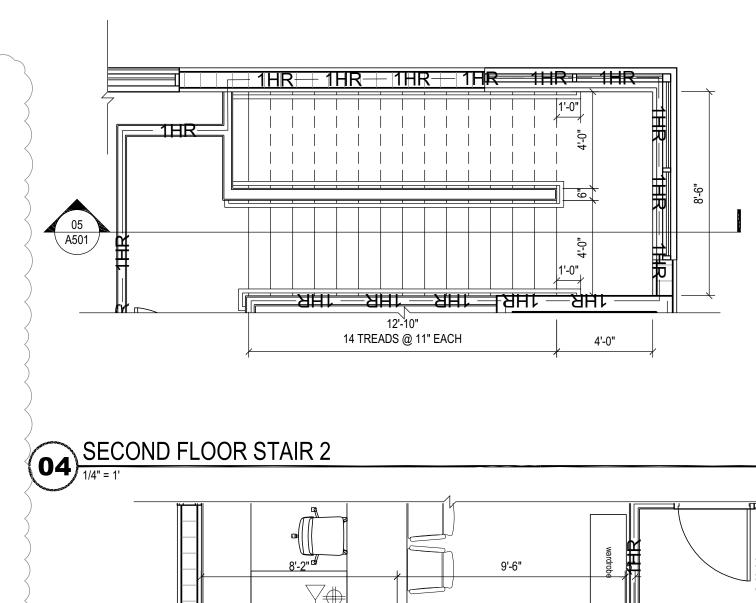
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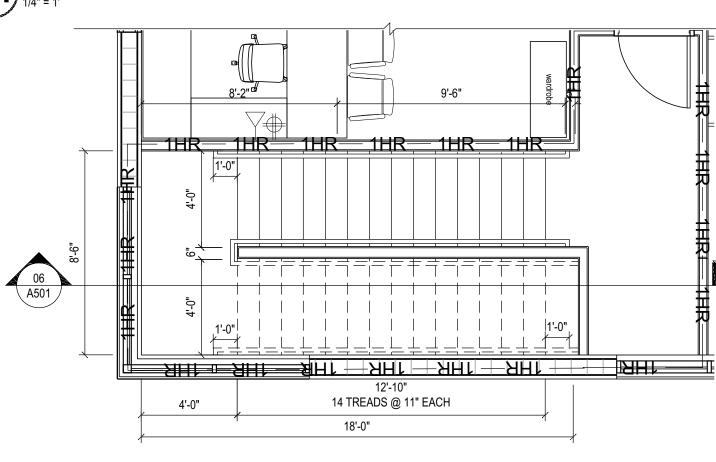
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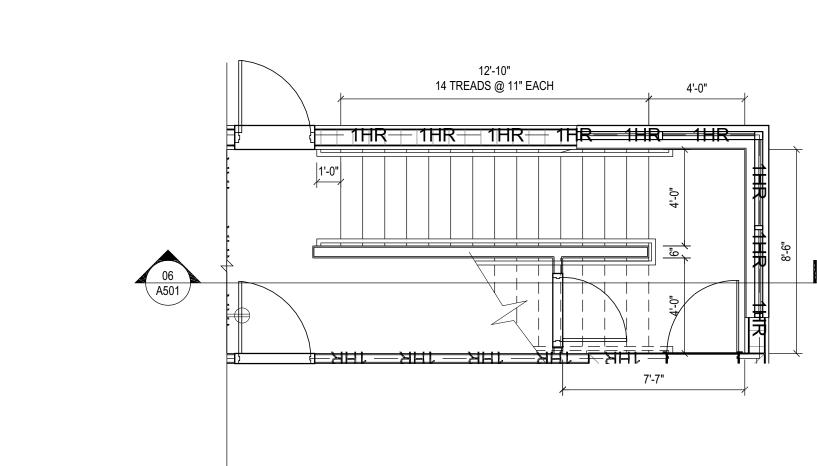
Plans Prepared By : CPH, LLC. State of Florida Licenses: Architect No. AA2600926 Engineer No. 3215 Landscape No. LC0000298 Surveyor No. 7143

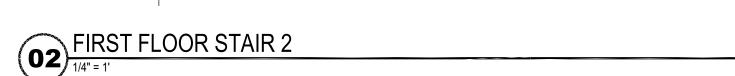
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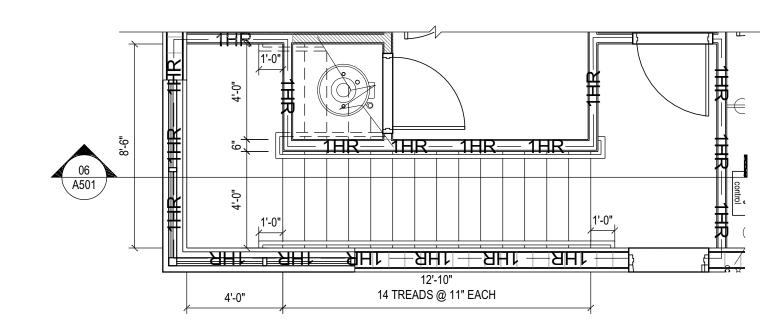
CODES AND LAWS

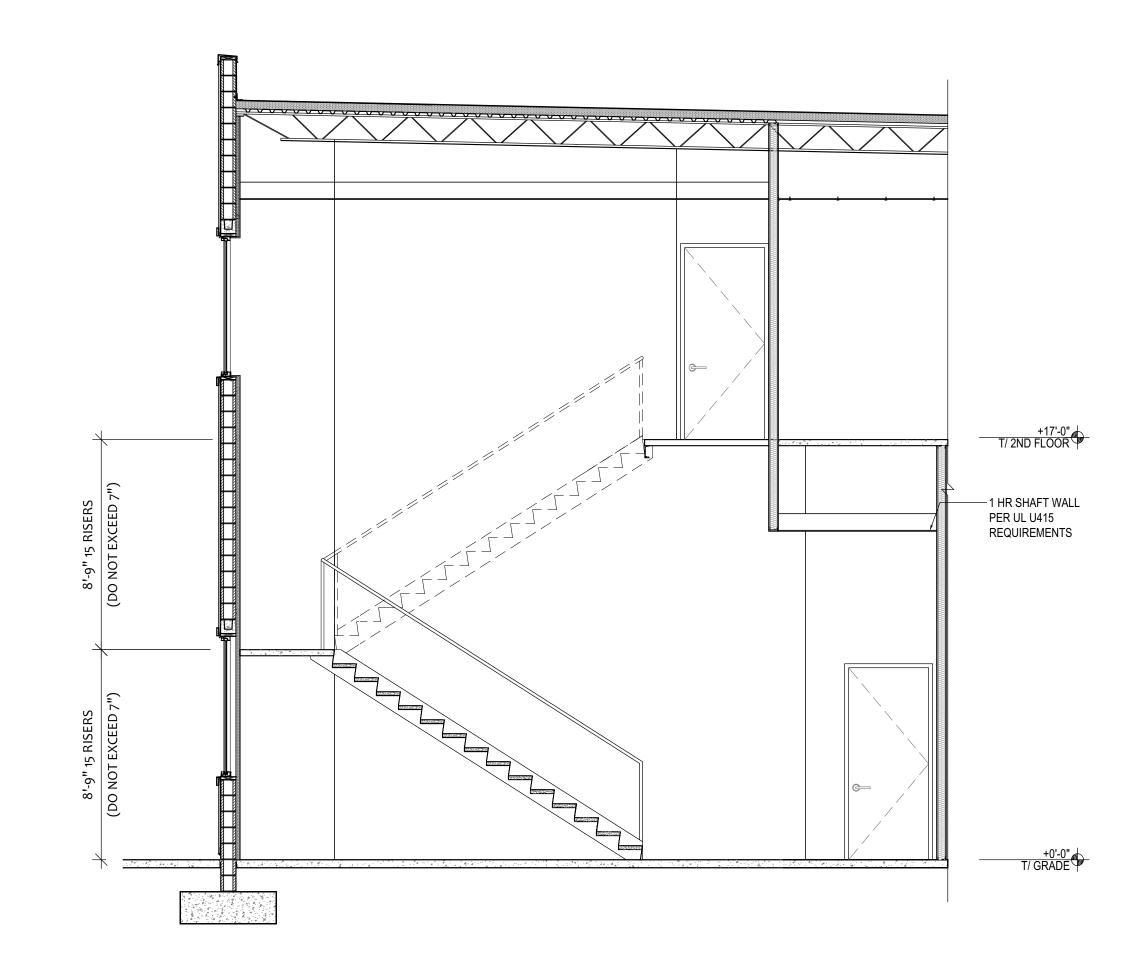
Sheet No.





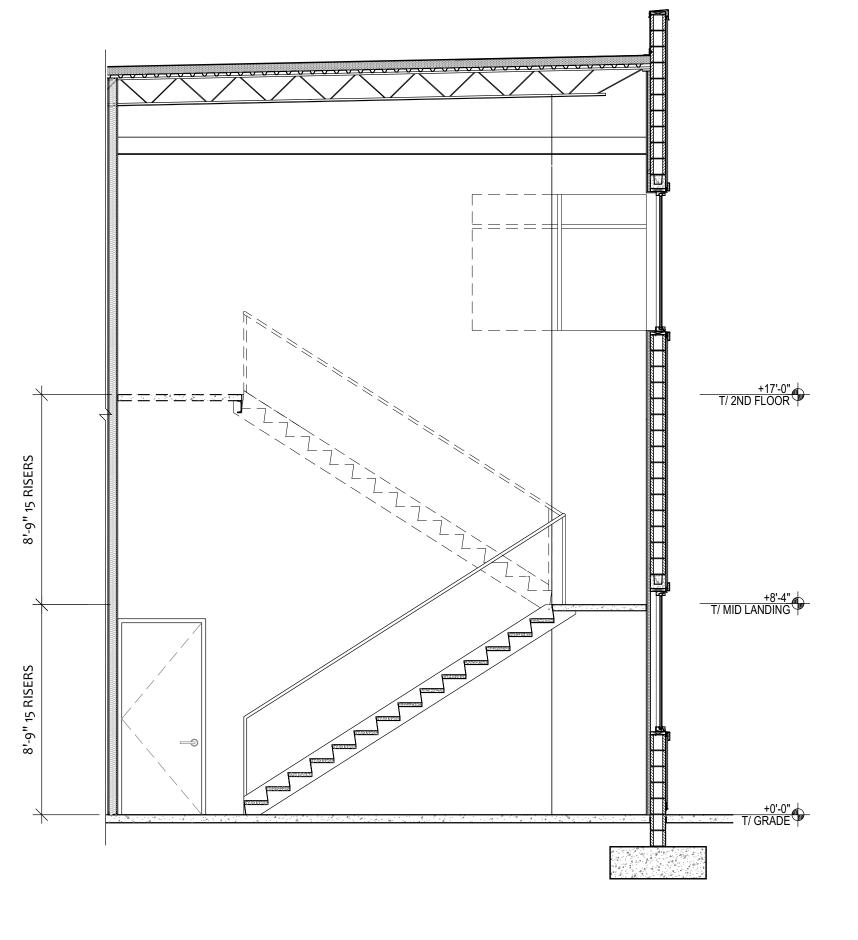






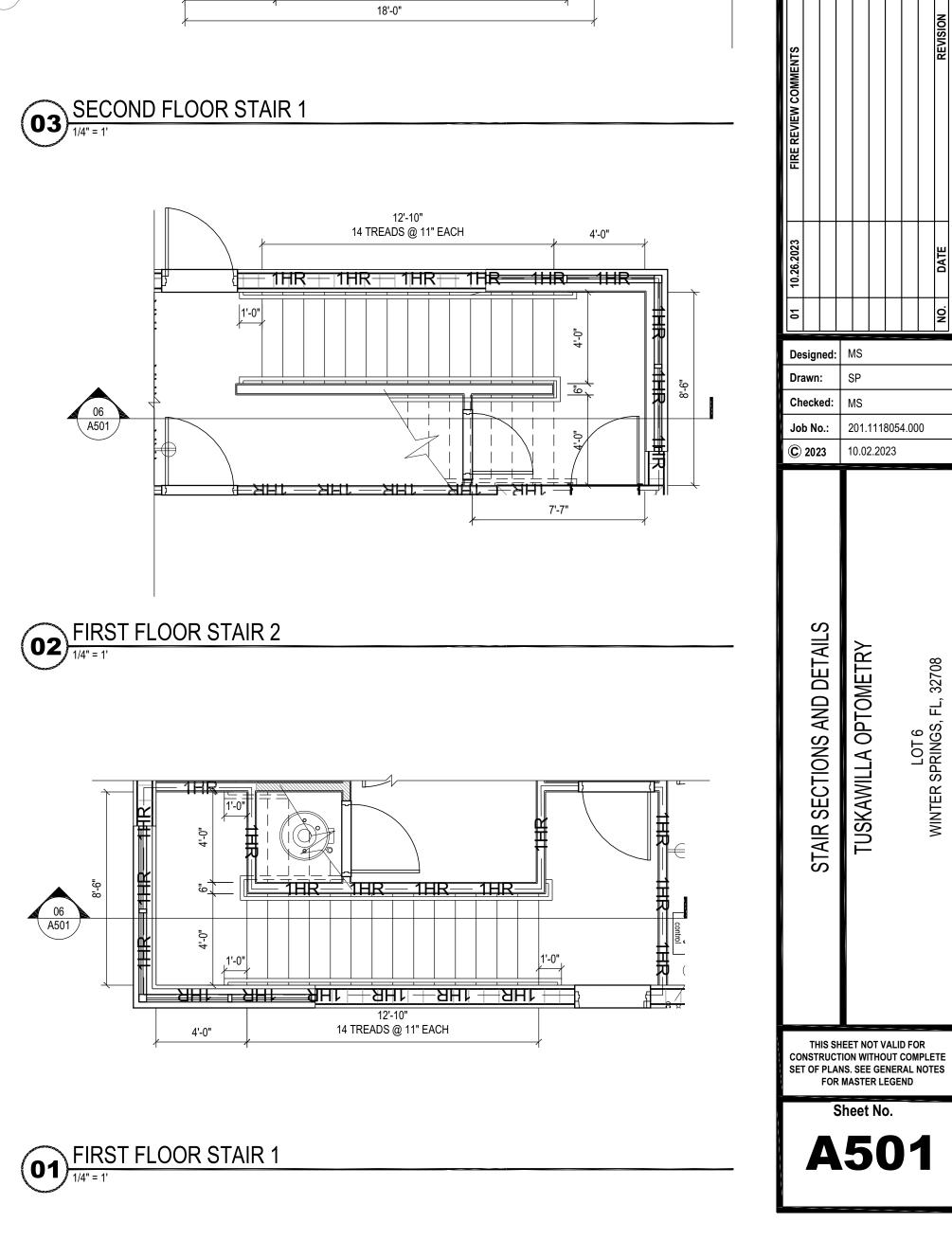
STAIR 2 SECTION

1/4" = 1'

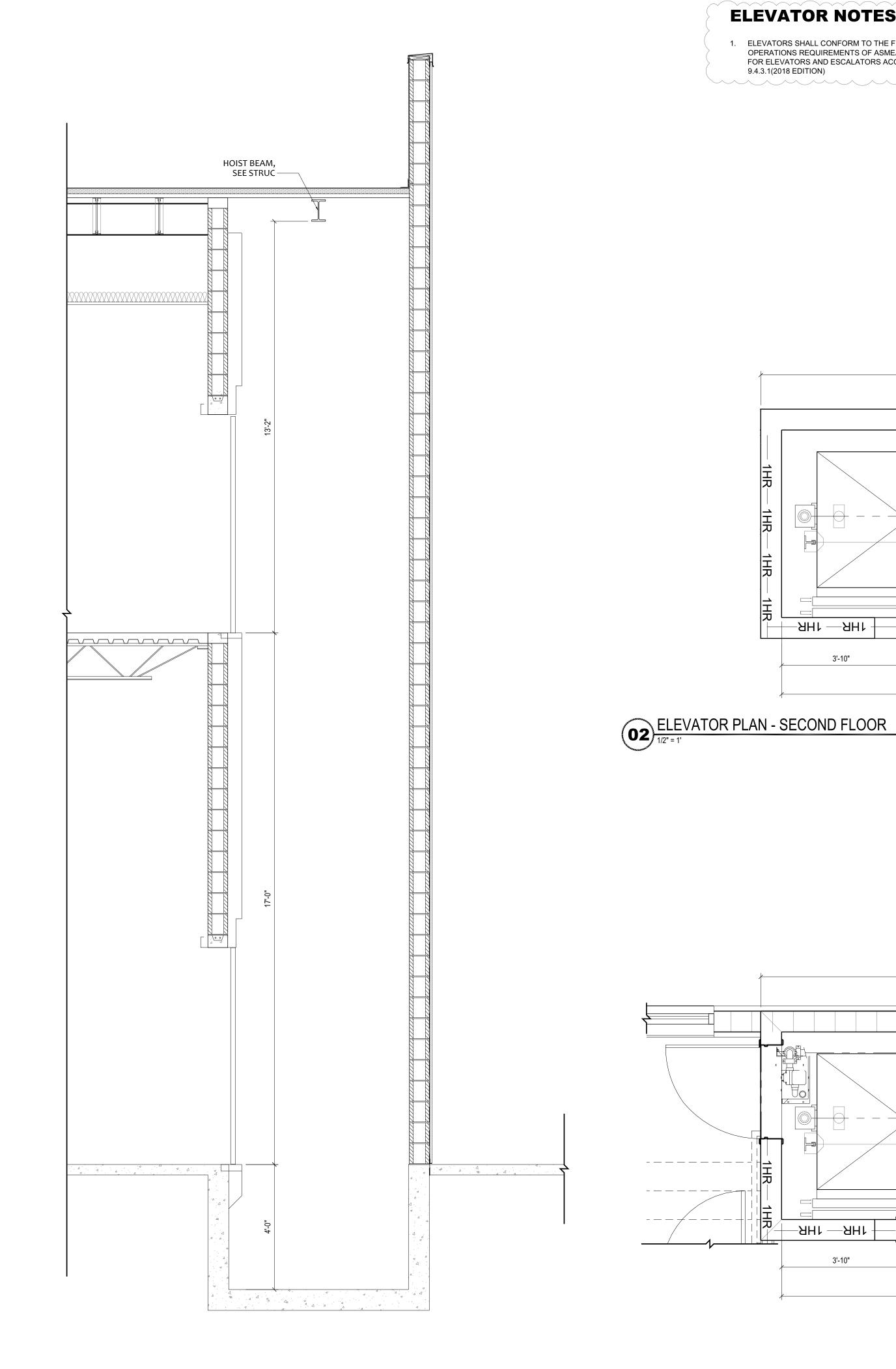


STAIR 1 SECTION

1/4" = 1'







ELEVATOR SECTION

1/2" = 1"



1. ELEVATORS SHALL CONFORM TO THE FIRE FIGHTER'S EMERGENCY OPERATIONS REQUIREMENTS OF ASMEA17.1/CSA B44, SAFETY CODE FOR ELEVATORS AND ESCALATORS ACCORDING TO NFPA 101, SECTION 9.4.3.1(2018 EDITION) 

9'-1" 3'-0" 3'-10" 7'-9"

- 1HR — 1HR 3'-10" 3'-0" 7'-9"

ELEVATOR PLAN - FIRST FLOOR

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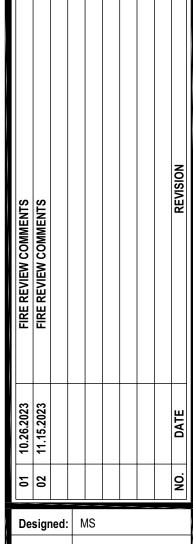
1011 E. COLONIAL DR #307 ORLANDO, FLORIDA 32803

Ph. (407) 745-5300 Plans Prepared By : CPH, LLC.

State of Florida Licenses: Architect No. AA2600926 Engineer No. 3215 Landscape No. LC0000298 Surveyor No. 7143

**-** ★ -AR94473

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Sheet No. **A502** 

Field Copy Permit #: 2023-00003281 **Date:** 12/21/23 **City of Winter Springs** 

## **RESTROOM ELEVATION NOTES**

- 1. REFERENCE SHEET A003 FOR GENERAL CONDITIONS AND ADDITIONAL REQUIREMENTS EFFECTING THIS WORK.
- 2. FINISH FLOOR DATUM (REFERENCE) = 0'-0" IS TO TOP OF SLAB. REFER TO CIVIL DRAWINGS FOR ACTUAL FINISH FLOOR ELEVATION.

  3. CONTRACTOR SHALL COORDINATE ALL WORK ON THIS SHEET WITH THE DEMOLITION WORK AND THE MECHANICAL ELECTRICAL
- 3. CONTRACTOR SHALL COORDINATE ALL WORK ON THIS SHEET WITH THE DEMOLITION WORK, AND THE MECHANICAL, ELECTRICAL, PLUMBING, STRUCTURAL AND FIRE PROTECTION DRAWINGS.
- 4. 2" RADIUS TYP. AT CABINETS CORNERS.

FINISH SPECIFICATIONS									
	(B-1)	CT-1	CT-2	PL-1	PL-2	PT-1	ST-1		
MATERIAL	VINYL BASE	CERAMIC TILE	TILE ACCENT BAND	PLASTIC LAMINATE	PLASTIC LAMINATE	PORCELAIN TILE	PORCELAIN TILE		
MFG	TBD	TBD	TBD	TBD	TBD	TBD	TBD		
COLOR	TBD	TBD	TBD	TBD	TBD	TBD	TBD		
STYLE	TBD	TBD	TBD	TBD	TBD	TBD	TBD		
SIZE	NA	4" x 12"	NA	NA	NA	12" x 24"	NA		
FINISH	TBD	TBD	TBD	TBD	TBD	TBD	TBD		

## **TOILET FIXTURE & ACCESSORIES NOTES**

THE HIGHEST OPERABLE PART OF DISPENSERS AND RECEPTACLES SHALL BE NO GREATER THAN 48" ABOVE FINISH FLOOR.

B MIRRORS SHALL BE MOUNTED WITH BOTTOM EDGE OF THE REFLECTING SURFACE NO HIGHER THAN 40" ABOVE FINISH FLOOR.

LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER TOP NO HIGHER THAN 34" ABOVE FINISH FLOOR. PROVIDE A CLEARANCE OF AT LEAST 29" ABOVE FINISH FLOOR TO THE BOTTOM OF THE APRON. PROVIDE PROTECTIVE COVERING OF ALL HOT WATER AND DRAIN PIPES. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES. REF. FBAC 11.4.19.4

THE DIAMETER OF THE GRIPPING SURFACE OF THE GRAB BAR SHALL BE 1 1/4"Ø TO 1 1/2"Ø. THE GRAB BAR SHALL HAVE A 1 1/2" CLEARANCE FROM THE WALL. THE LENGTH OF THE GRAB BARS ARE AS SHOWN.

THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE 17"-19" MEASURED TO THE TOP OF THE TOILET SEAT ABOVE FINISH FLOOR AND SHALL HAVE AN 18" CLEARANCE ON EACH SIDE FROM CENTER LINE OF WATER CLOSET. FLUSH CONTROL MUST BE MOUNTED ON THE WIDE SIDE OF TOILET NO MORE THAN 44" HIGH.

THE TOILET PAPER DISPENSER SHALL BE MOUNTED SO THAT THE DISPENSING HEIGHT OF THE PAPER SHALL HAVE A CLEARANCE OF NOT LESS THAN 15" AND NO MORE THAN 48" FROM THE FINISH FLOOR AND THE CENTER LINE BETWEEN 7" AND 9" FROM THE FRONT EDGE OF THE TOILET.

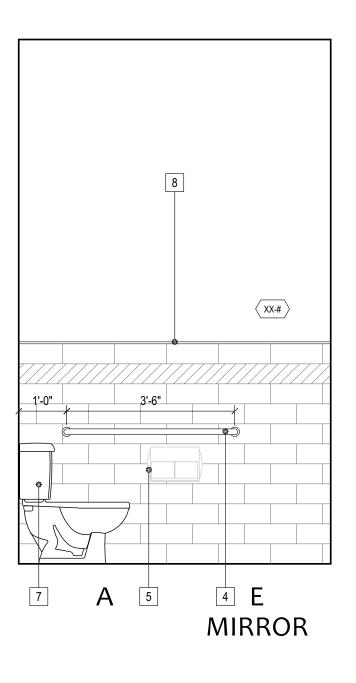
## TOILET ACCESSORY LEGEND

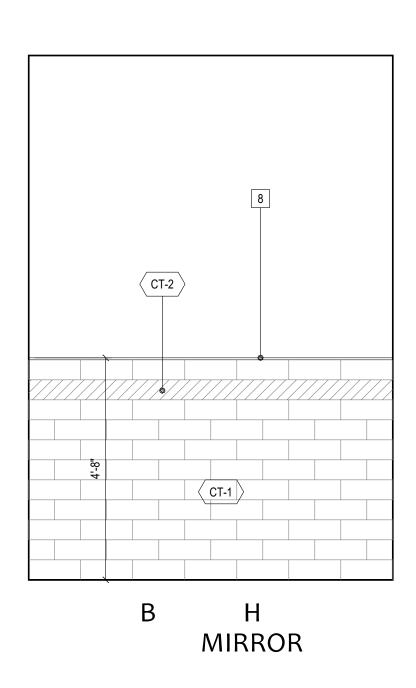
BASIS OF DESIGN: 'BOBRICK' WASHROOM ACCESSORIES

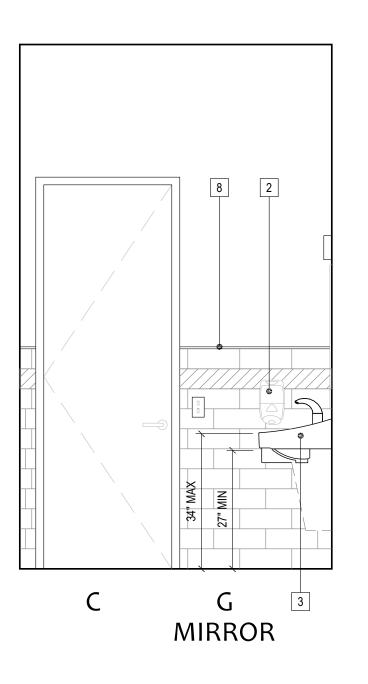
1	MIRROR: BOBRICK B-290 2436 OR EQ.
2	SOAP DISPENSER
3	ACCESSIBLE LAVATORY: KOHLER WALL MOUNT SINK 5027-1 W/ DELTA FAUCET 559HA-DST, LEVER FAUCETS MUST BE PROVIDED. FAUCET CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. FORCE REQUIRED TO ACTIVATE THE CONTROLS SHALL BE NO GREATER THAN 5 LBS.
4	HANDICAP GRAB BAR(S): BOBRICK B-6806 OR EQ.
5	TOILET PAPER HOLDER: BOBRICK B-685 OR EQ. OUTLET SHALL BE BELOW GRAB BAR AND NOT CONTROL DELIVERY OR PROHIBIT CONTINUOUS PAPEL FLOW
6	HAND DRYER
7	ADA COMPLIANCE WATER CLOSET
8	ALUMINUM SCHLUTER STRIP
9	LIGHT FIXTURE

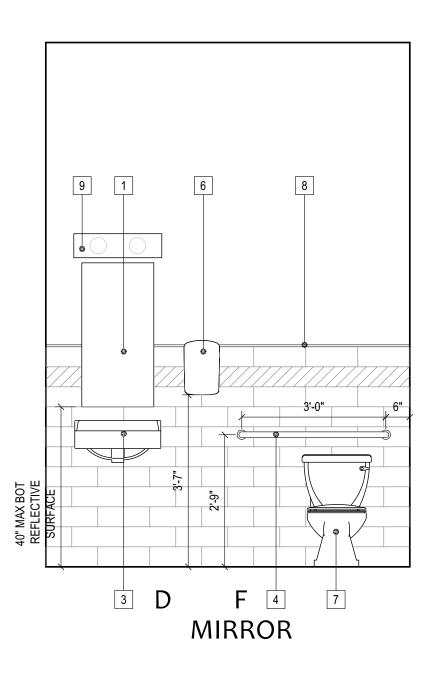
## **TOILET ACCESSORY NOTES**

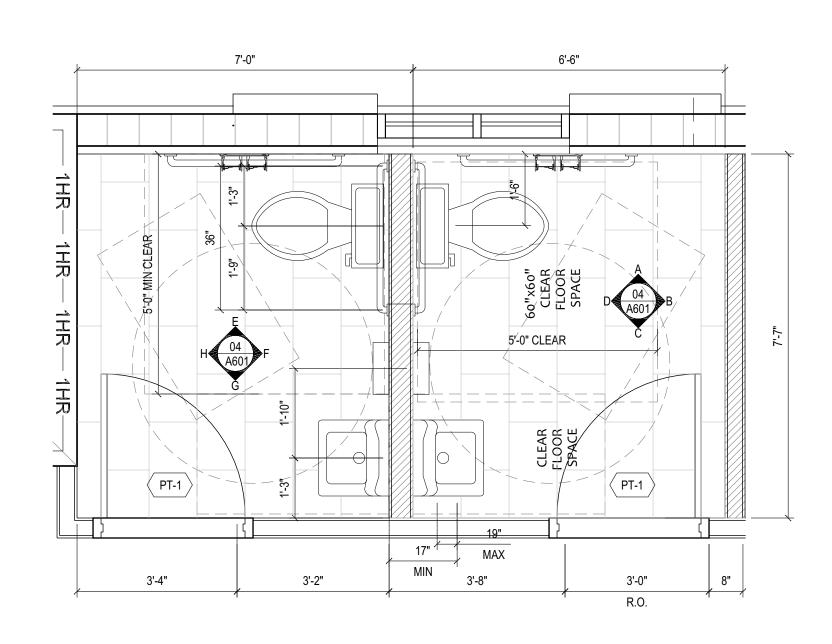
- TOILET ACCESSORIES SHOWN ARE BASIS OF DESIGN <u>ONLY</u>, FOR BUDGETING PURPOSES. GC <u>MUST</u> COORDINATE DIRECTLY WITH OWNER FOR TYPE AND STYLE PRIOR TO ORDERING. ACCESSORIES MUST BE IN ACCORDANCE WITH ALL APPLICABLE ADA REQUIREMENTS.
- . GC SHALL FURNISH ALL ACCESORIES, INCIDENTAL TRIM PIECES, ETC. FOR A COMPLETE INSTALLATION.
- GC SHALL USE WATER RESISTANT DRYWALL FOR TOILET ROOMS AND FINISH TOILET ROOMS WITH MATERIALS ACCEPTABLE TO LOCAL CODE AUTHORITIES.
- 4. GC SHALL PROVIDE BLOCKING IN WALLS FOR GRAB BARS, MIRRORS, DISPENSERS, ETC. GRAB BARS SHALL BE LOCATED AS SHOWN. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL WITHSTAND VERTICAL AND HORIZONTAL FORCES OF 250 LBS PER ANSI A 117.1 SECTION 1115B.8.3.







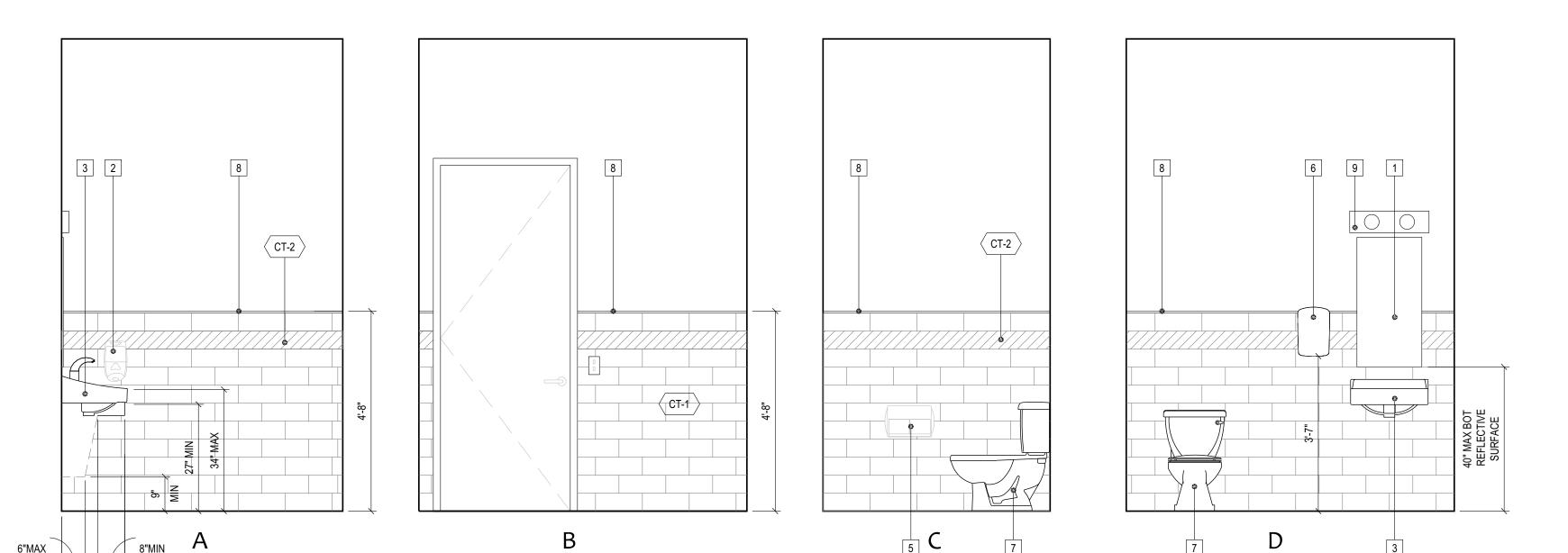




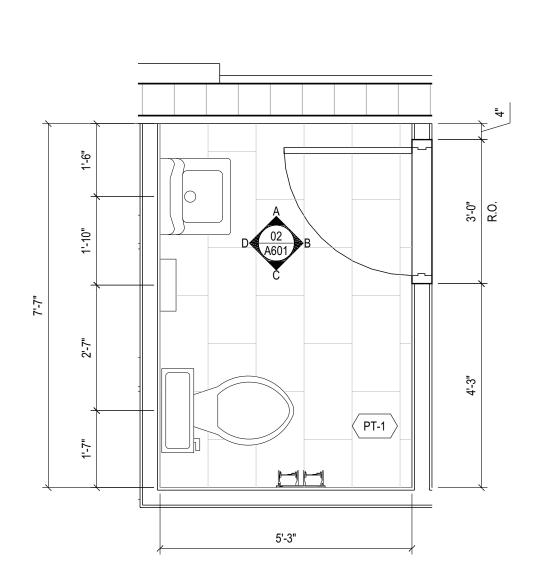
# ADA RESTROOM INTERIOR ELEVATIONS 1/2" = 1"

RESTROOM INTERIOR ELEVATIONS

1/2" = 1'







ENLARGED RESTROOM PLAN

1/2" = 1'

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CPH, LLC.

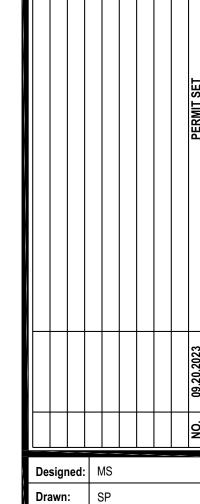
State of Florida Licenses:
Architect No. AA2600926
Engineer No. 3215
Landscape No. LC0000298
Surveyor No. 7143

Kimberly McCan

State and State and

MCCANN, AIA REG.#AR91738

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 Drawn:
 SP

 Checked:
 MS

 Job No.:
 201.1118054.000

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D ELEVATIONS FOMETRY

TUSKAWILLA OPTOMET

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1'-4"

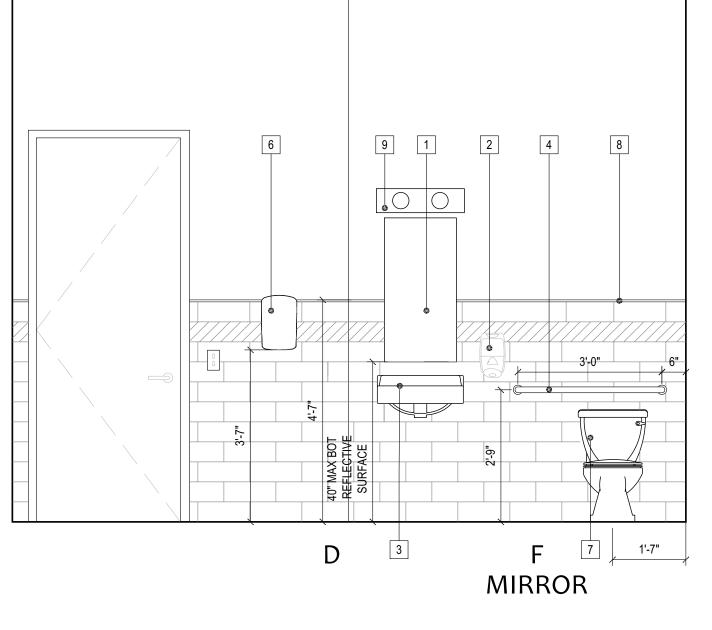
8'-11"

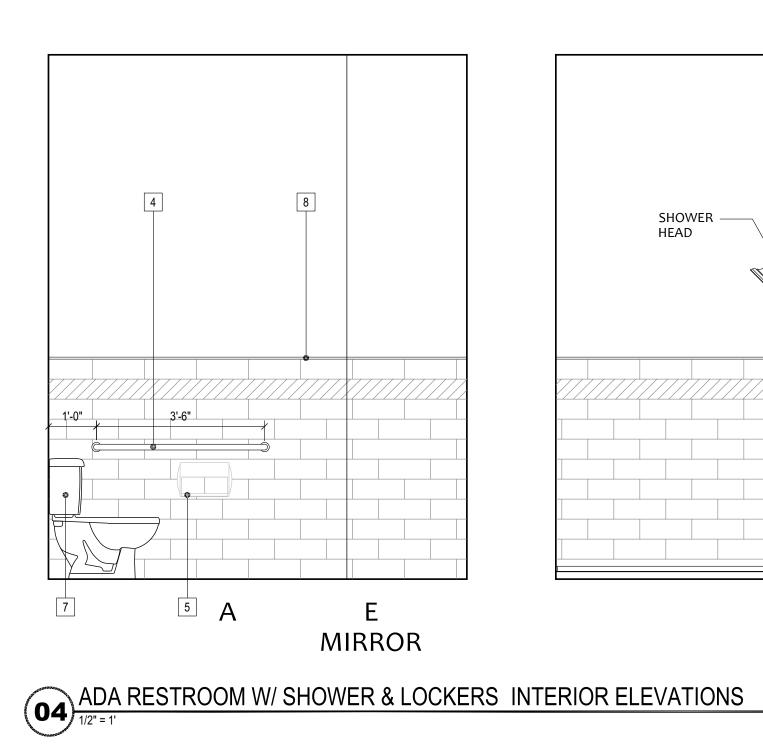
PT-1

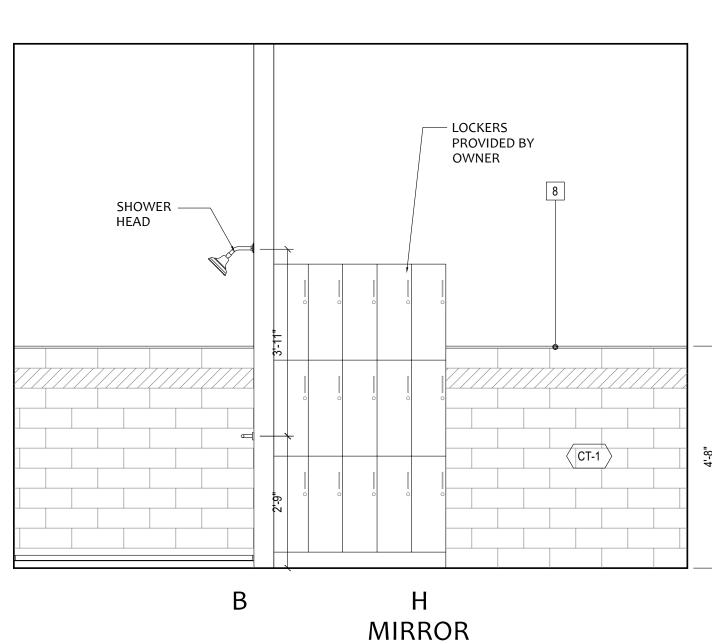
SEE FIRST SHEET OF SERIES FOR APPLICABLE GENERAL NOTES.

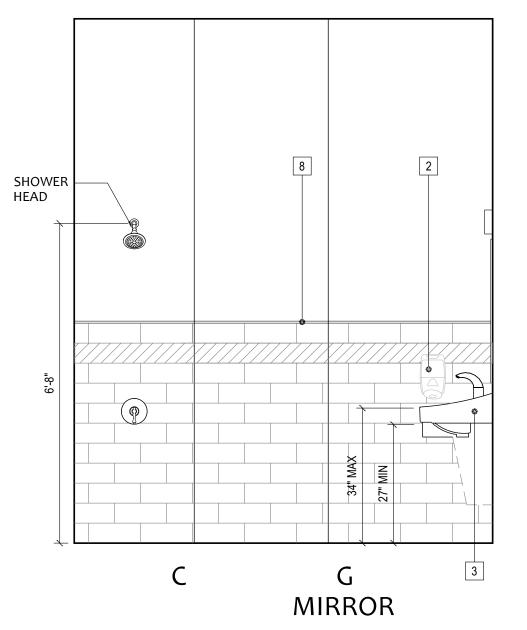
5'-5"

5'-0"



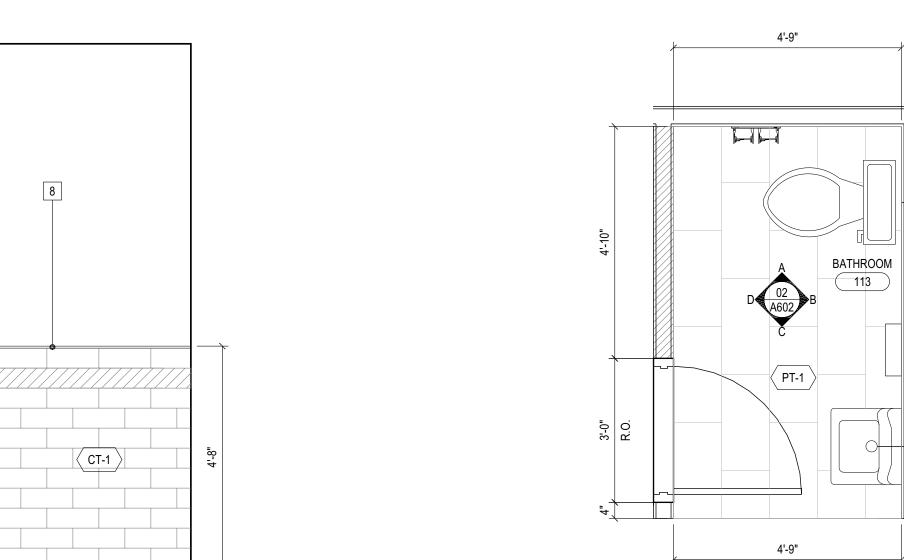






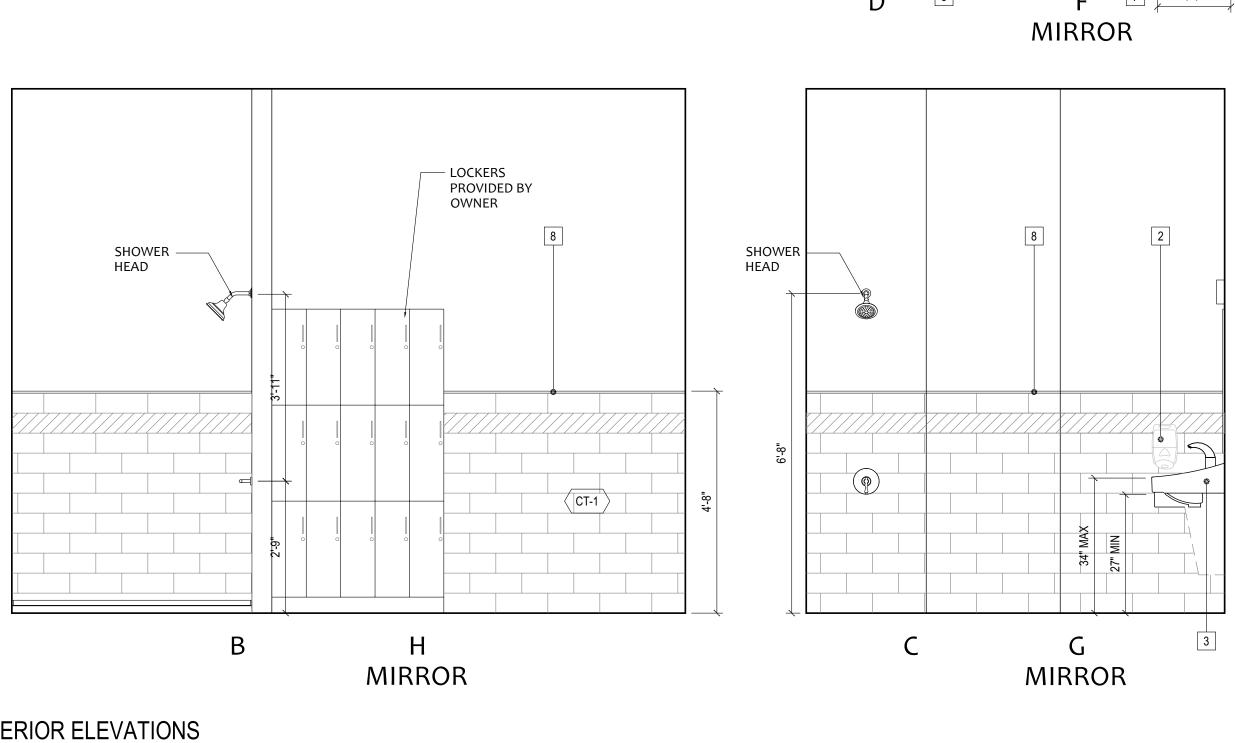
ENLARGED ADA RESTROOM W/ SHOWER & LOCKERS PLAN

9'-4"

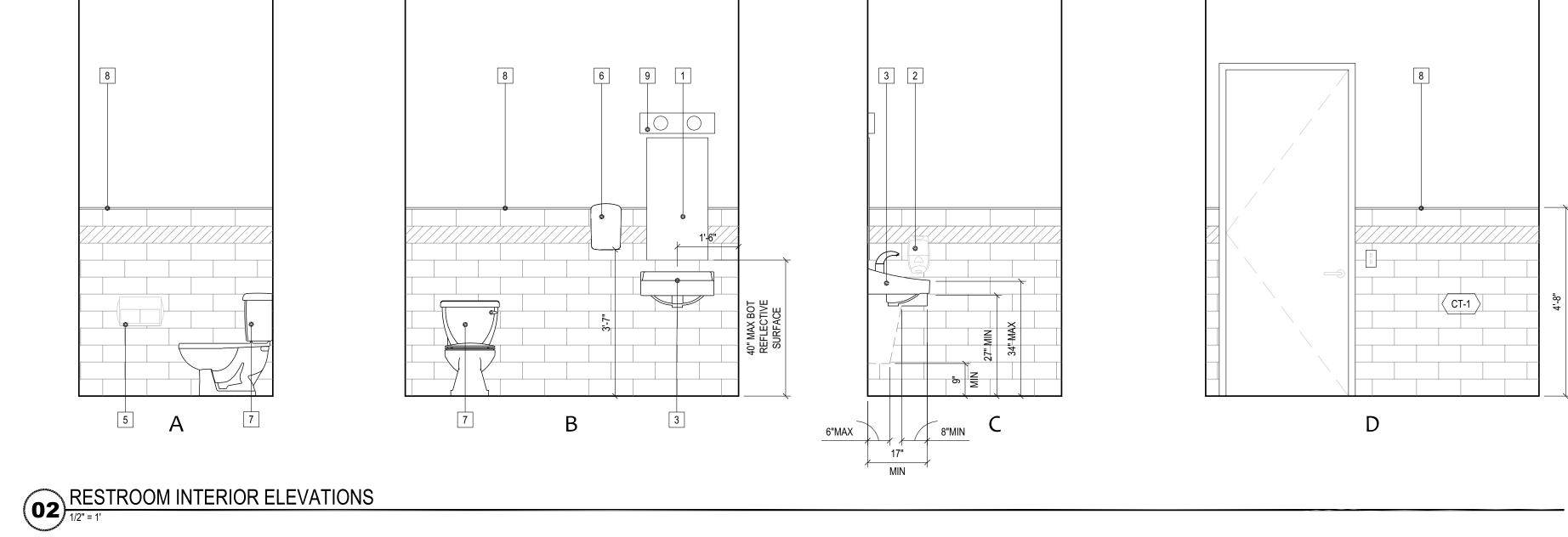


ENLARGED RESTROOM PLAN

1/2" = 1'









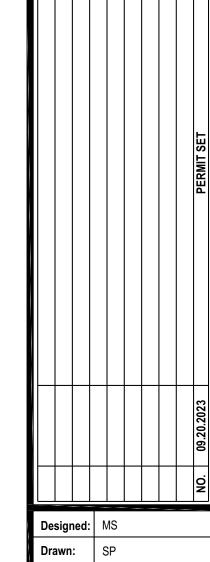
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Landscape No. LC0000298 Surveyor No. 7143

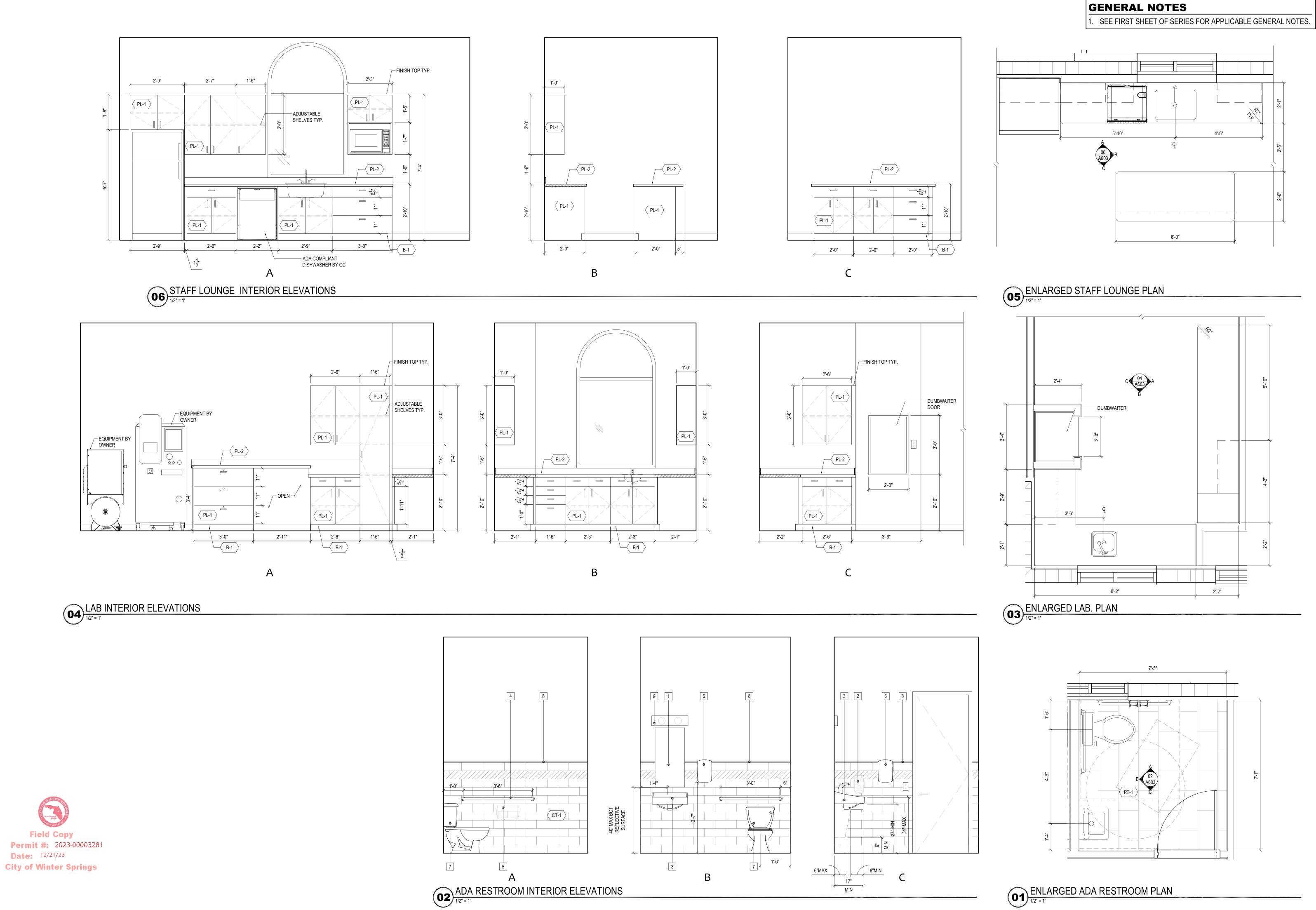
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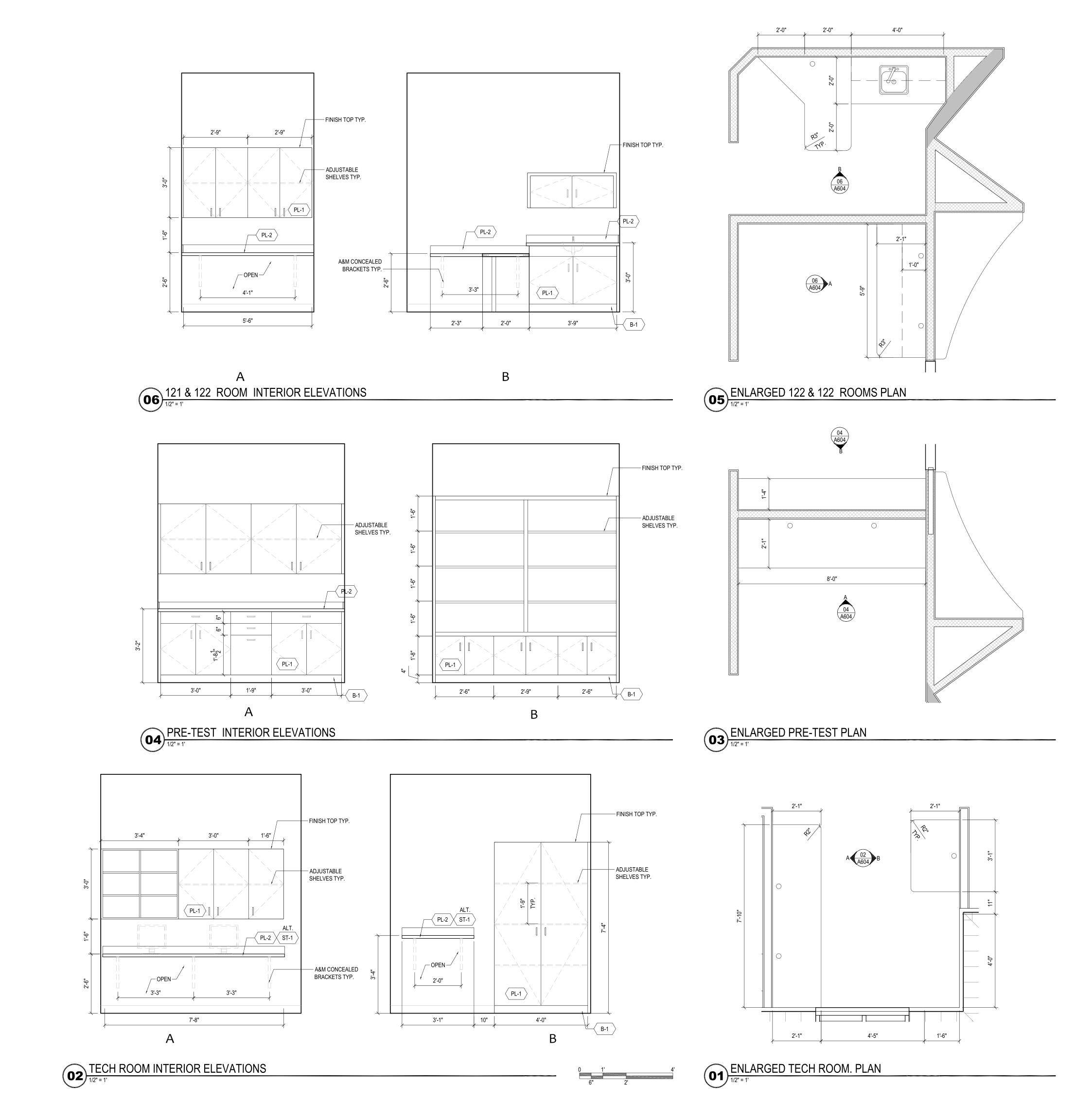
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ARGED PLANS AND ELEVATIONS TUSKAWILLA OPTOMETRY

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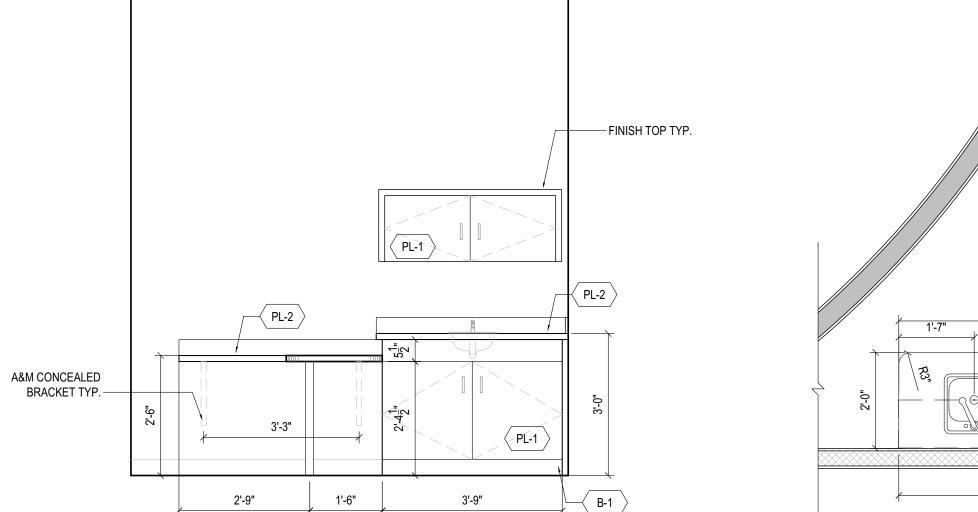
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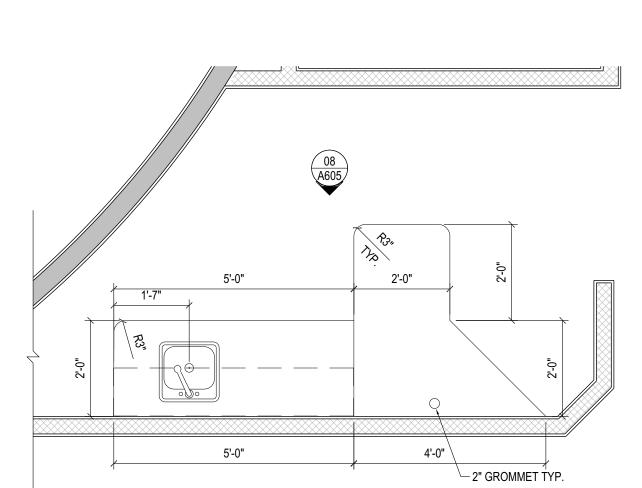


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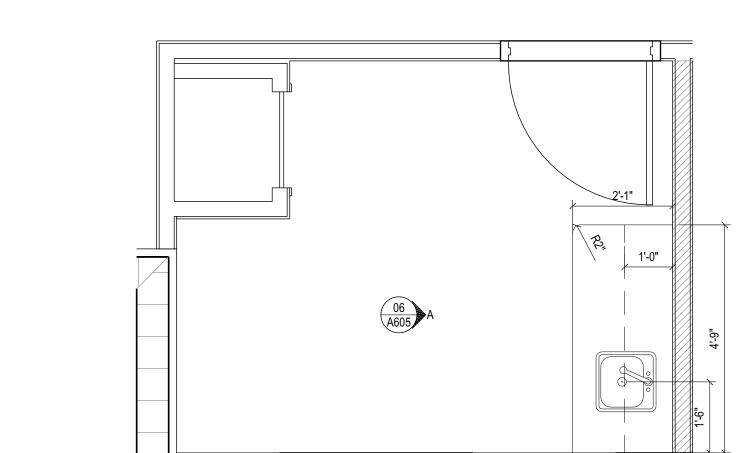
1'-3"

2'-0"

ALT. PL-2 ST-1







6'-0"

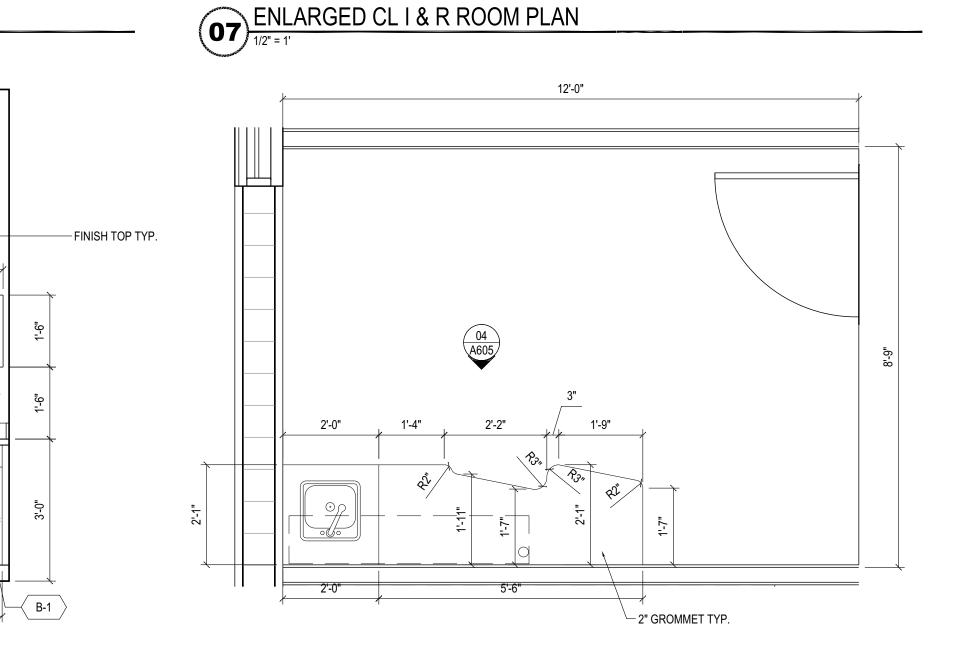
ENLARGED PRE TEST 123 PLAN

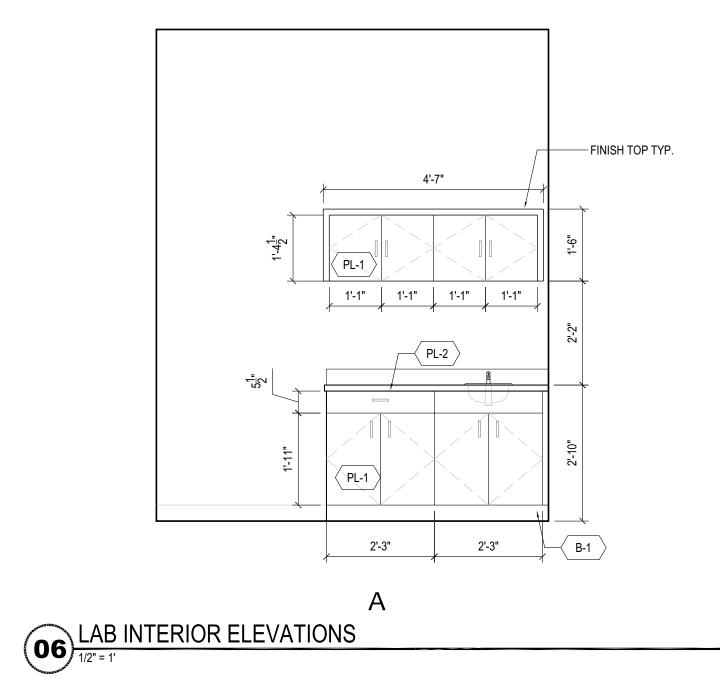
1'-10"

└- 2" GROMMET TYP.

2'-1"





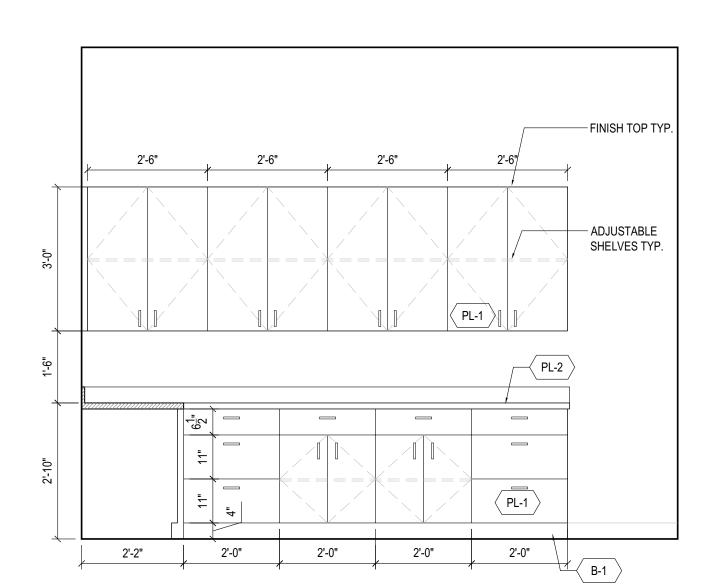


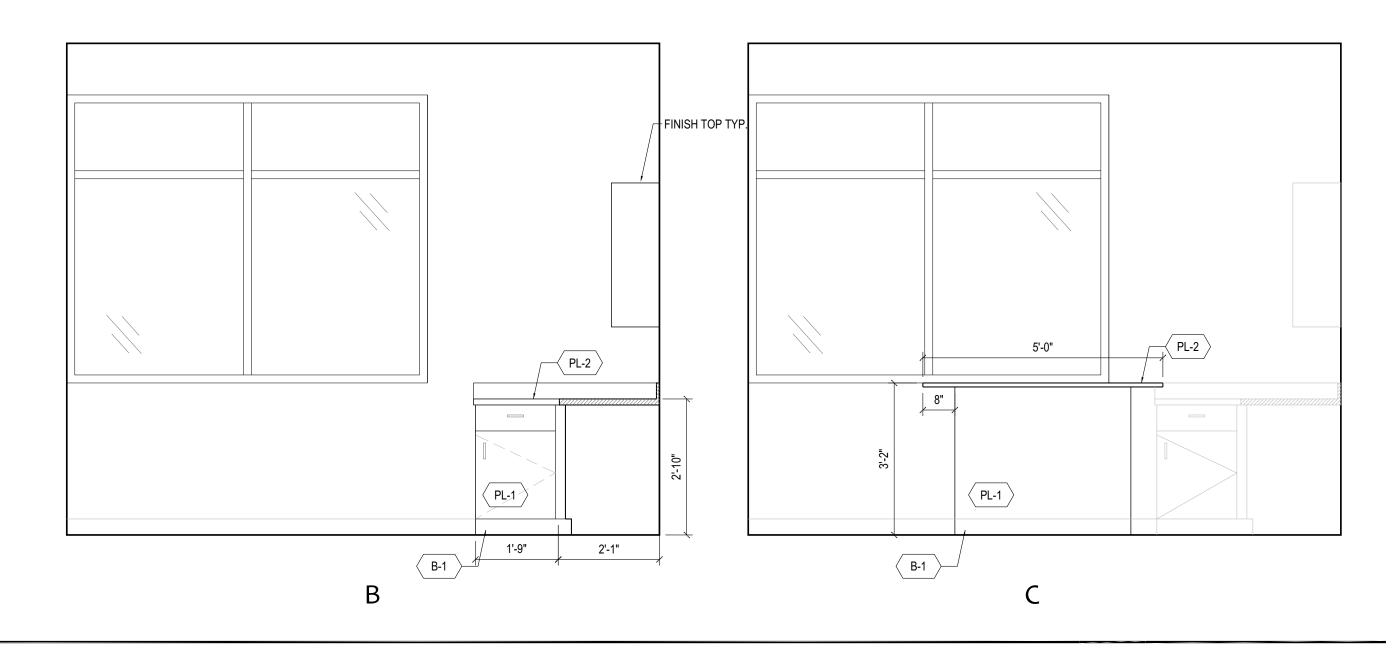


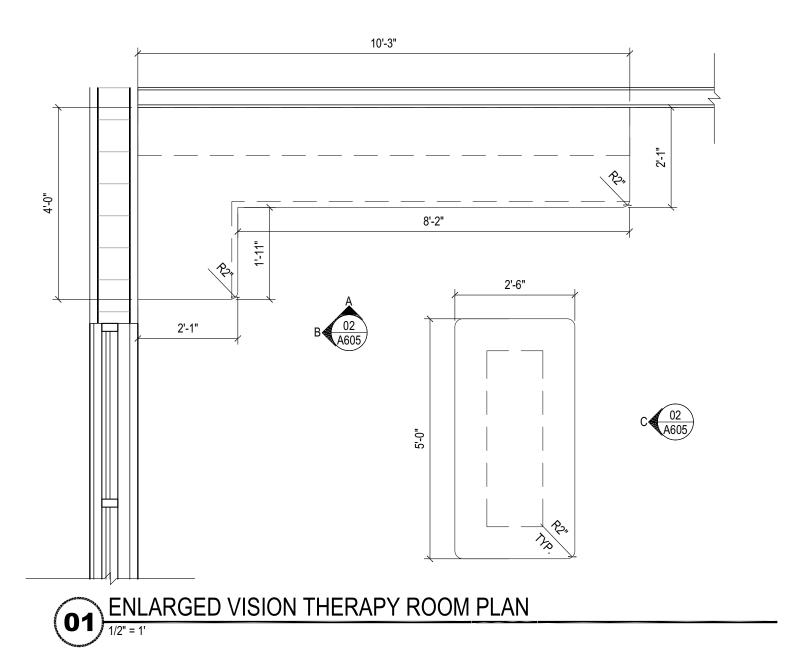


A&M CONCEALED BRACKET TYP. —









City of Winter Springs

A

VISION THERAPY ROOM INTERIOR ELEVATIONS

1/2" = 1"

Field Copy

**Date:** 12/21/23

Sheet No. **A605** 

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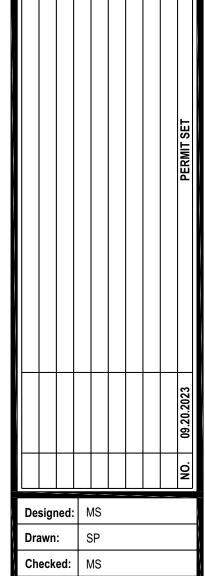
State of Florida Licenses:
Architect No. AA2600926
Engineer No. 3215

Kimberly McCan

State of the st

Landscape No. LC0000298 Surveyor No. 7143

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NLAKGED PLANS AND ELEVATIONS
TUSKAWILLA OPTOMETRY

LOT 6
LOT

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Sheet No.

## **GENERAL NOTES**

SEE FIRST SHEET OF SERIES FOR APPLICABLE GENERAL NOTES.



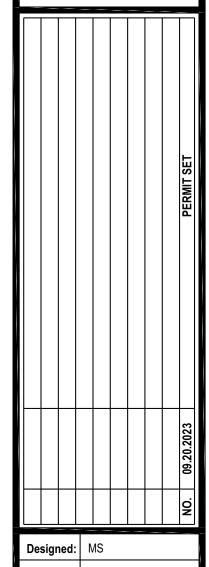
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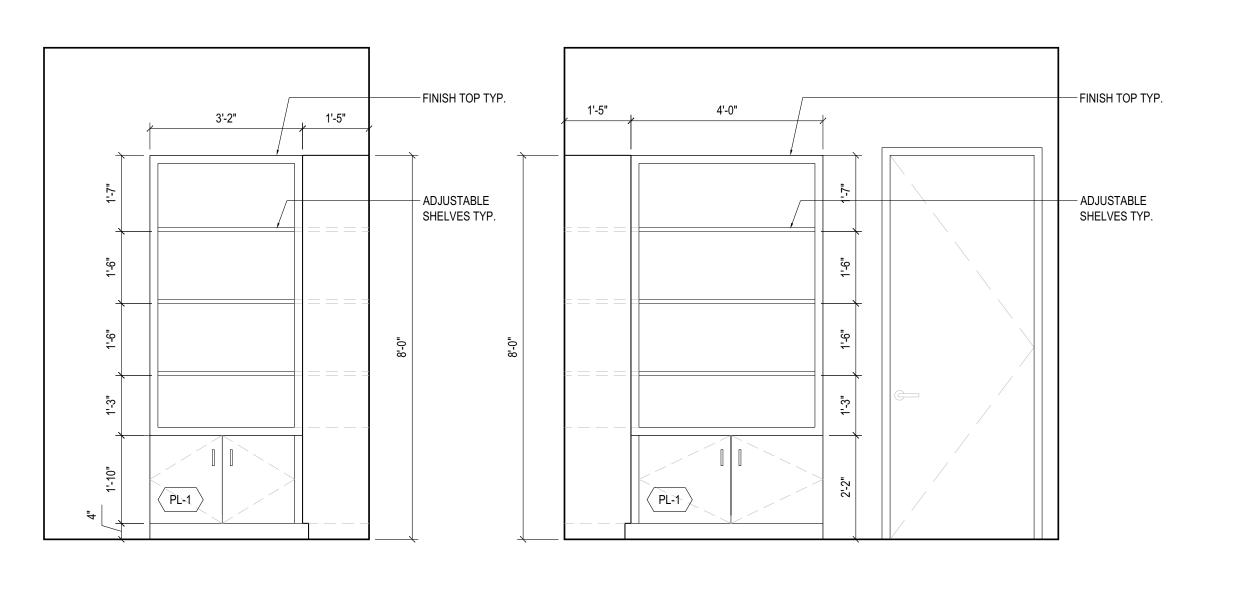
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ENLARGED TECH ROOM PLAN

1/2" = 1'

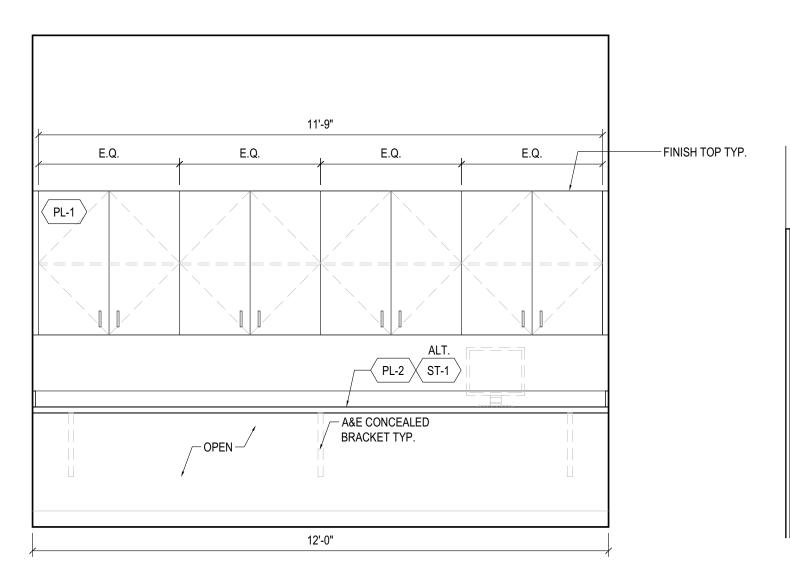
ENLARGED CONTACT LENS STORAGE

1/2" = 1"



CONTACT LENS STORAGE INTERIOR ELEVATIONS

1/2" = 1'



TECH ROOM INTERIOR ELEVATIONS

**City of Winter Springs** 

Field Copy

Date: 12/21/23

Permit #: 2023-00003281

ENLARGED PRE TEST 109 PLAN

1/2" = 1'

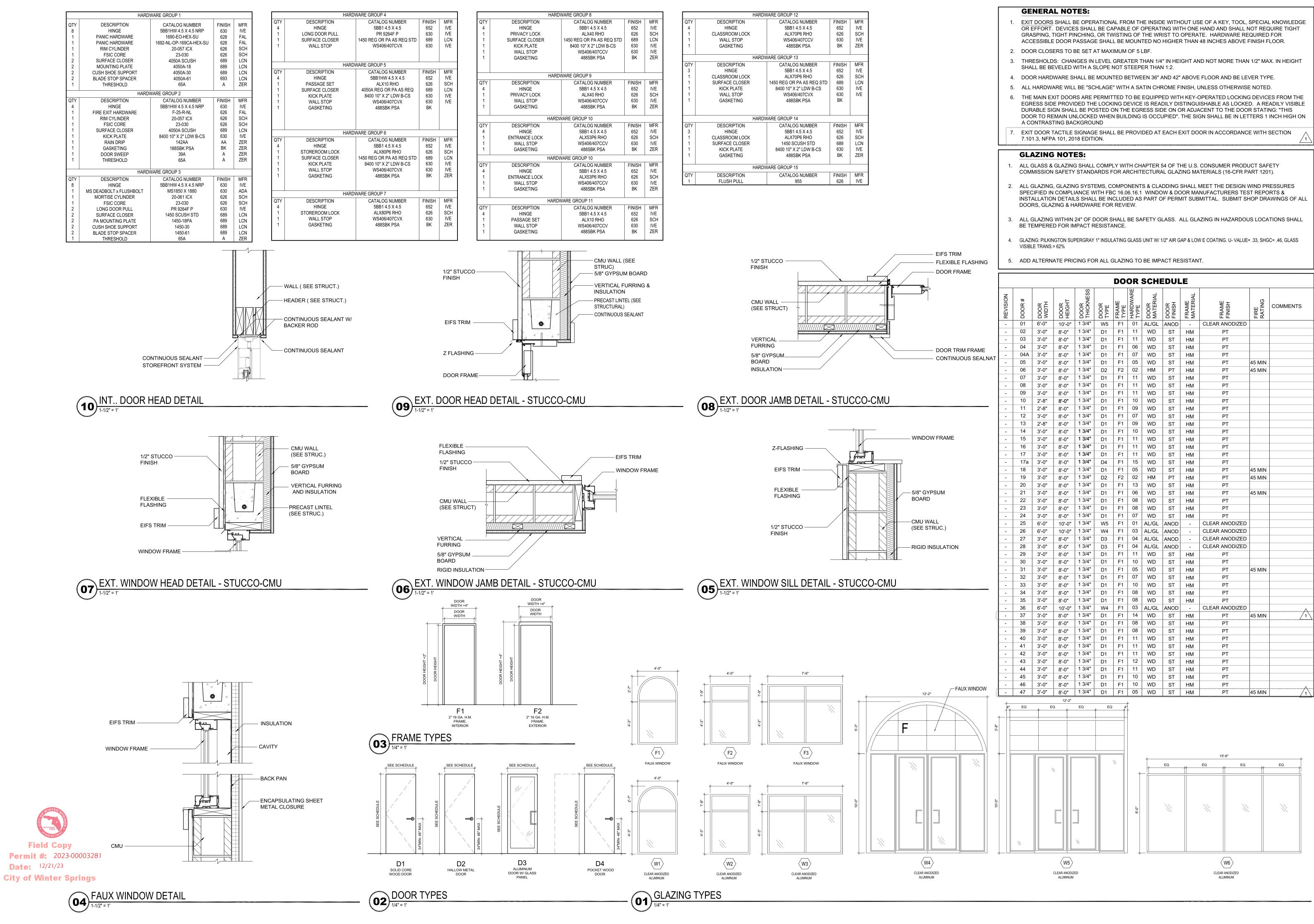
PRE TEST 109 INTERIOR ELEVATIONS

1/2" = 1'

4'-1"

PL-2

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CPH, LLC.

State of Florida Licenses:
Architect No. AA2600926
Engineer No. 3215
Landscape No. LC0000298
Surveyor No. 7143

Kimberly McCann

ARY

AR91738

AR91738

KIM MCCANN, AIA FL.REG.#AR91738

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| 10.26.2023 FIRE REVIEW COMMENTS | Solution | Solution

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 Drawn:
 SP

 Checked:
 MS

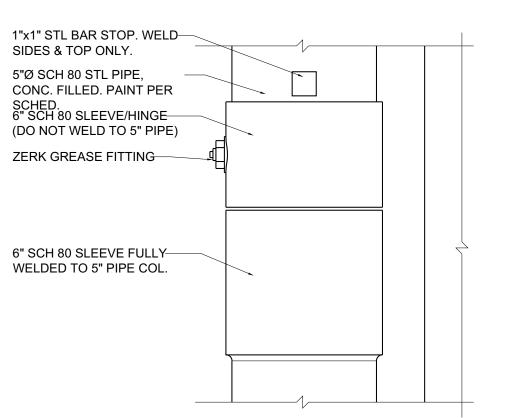
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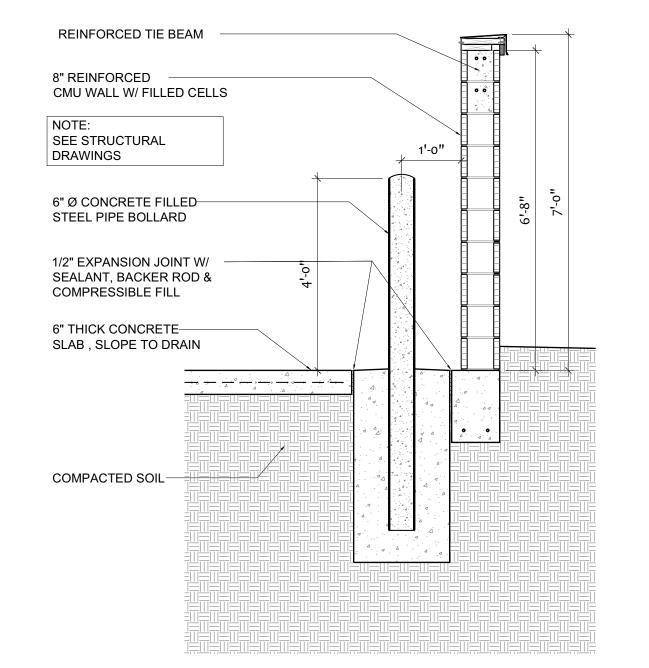
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 10.02.2023

ZING SCHEDULE & DETAILS
AWILLA OPTOMETRY

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Sheet No. **A701** 





## **GENERAL NOTES**

- 1. DUMPSTER ENCLOSURE DETAILS AND DESIGN ARE TYPICAL FOR ALL DUMPSTER LOCATIONS ON THE SITE.
- 2. SEE CIVIL DRAWINGS FOR EXACT LOCATION AND SIZE OF DUMPSTER.
- 3. CONTRACTOR TO VERIFY THE OPENING WIDTH AND ALL OTHER DIMENSIONS COMPLY WITH CITY ORDINANCES AND WASTE MANAGEMENT REQUIREMENTS.

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Kimberly McCann

Digitally signed by Kimberly McCann

of chould serve and 140 C00001751

OHER LEVEN S Architecture Pt.

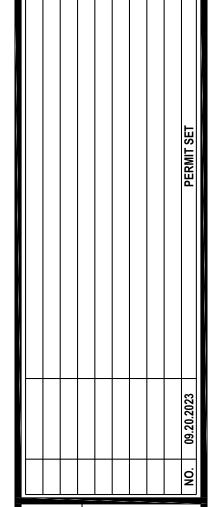
Digitally signed by Kimberly McCann.

of chould serve and 140 C00001751

OHER LEVEN S Architecture Pt.

Digitally signed by Kimberly McCann. AR91738

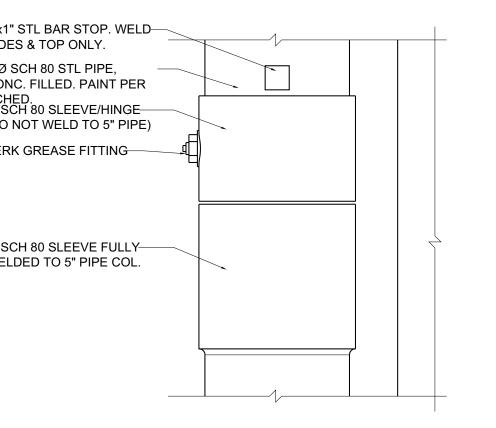
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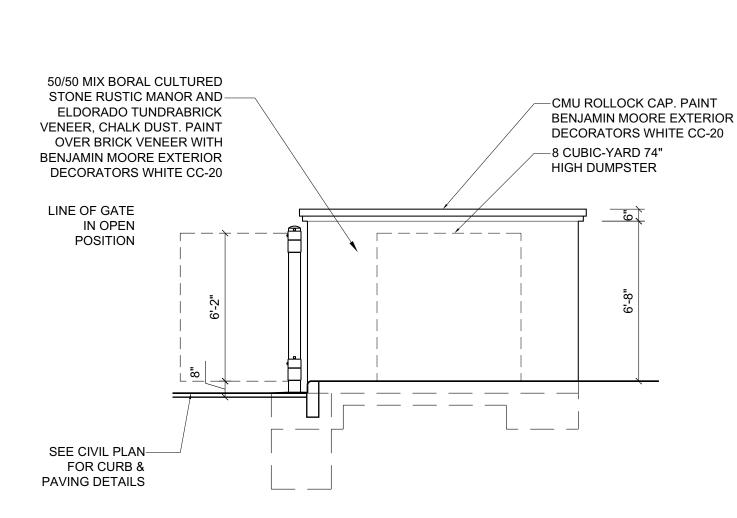
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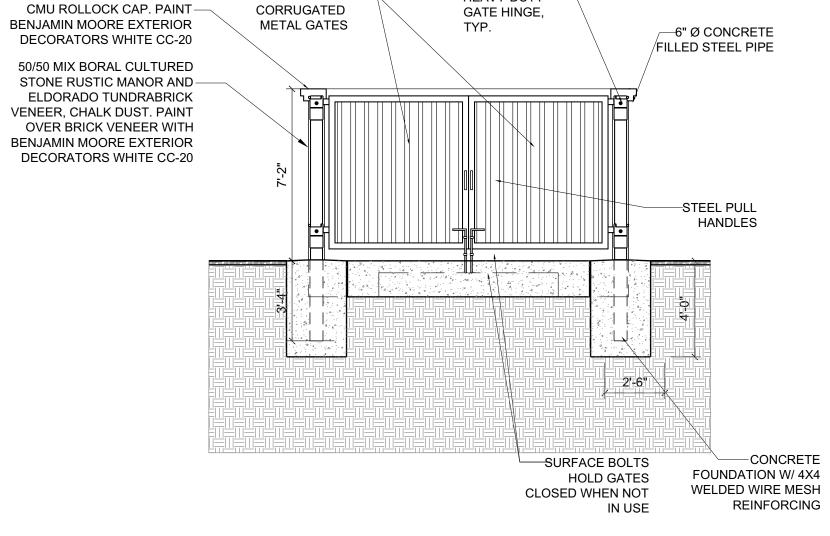


HEAVY-DUTY-

HINGE DETAIL (SIDE VIEW)

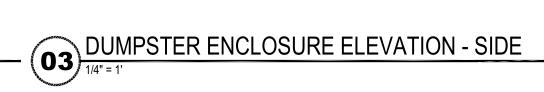
BLACK SOLID-

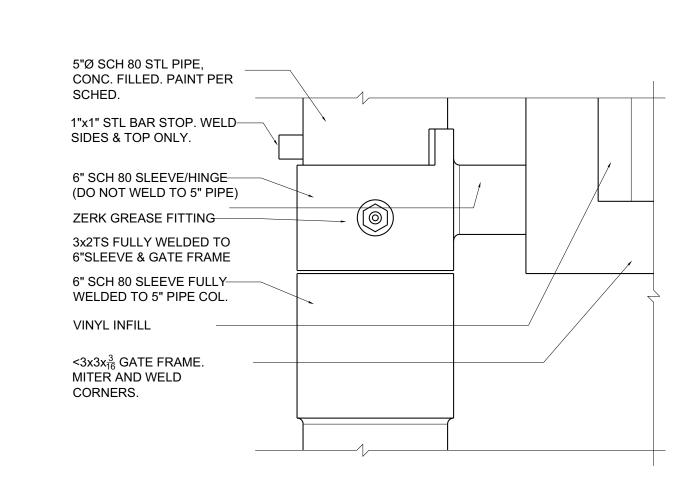


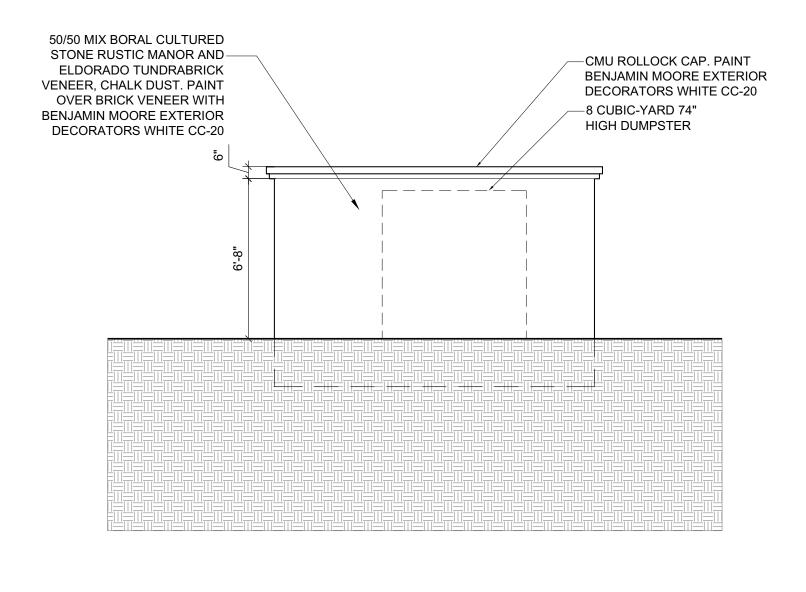


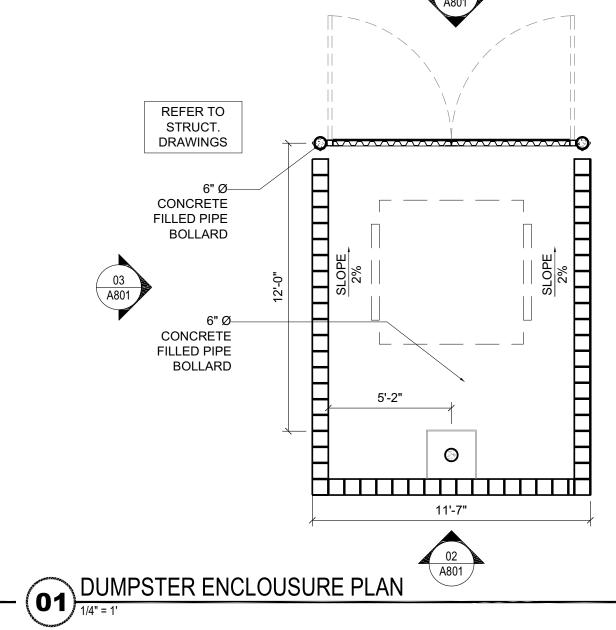
DUMPSTER ENCLOSURE ELEVATION - FRONT

1/4" = 1'









DUMPSTER ENCLOSURE ELEVATION - REAR

HINGE DETAIL (FRONT VIEW)

Field Copy

**City of Winter Springs** 

Date: 12/21/23

**Permit #:** 2023-00003281