

INTERIOR IMPROVEMENTS FOR BOYS TOWN

3555 COMMONWEALTH BLVD.

TALLAHASSEE, FLORIDA

INDEX OF DRAWINGS

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M1.0 MECHANICAL - LAYOUT & DETAILS

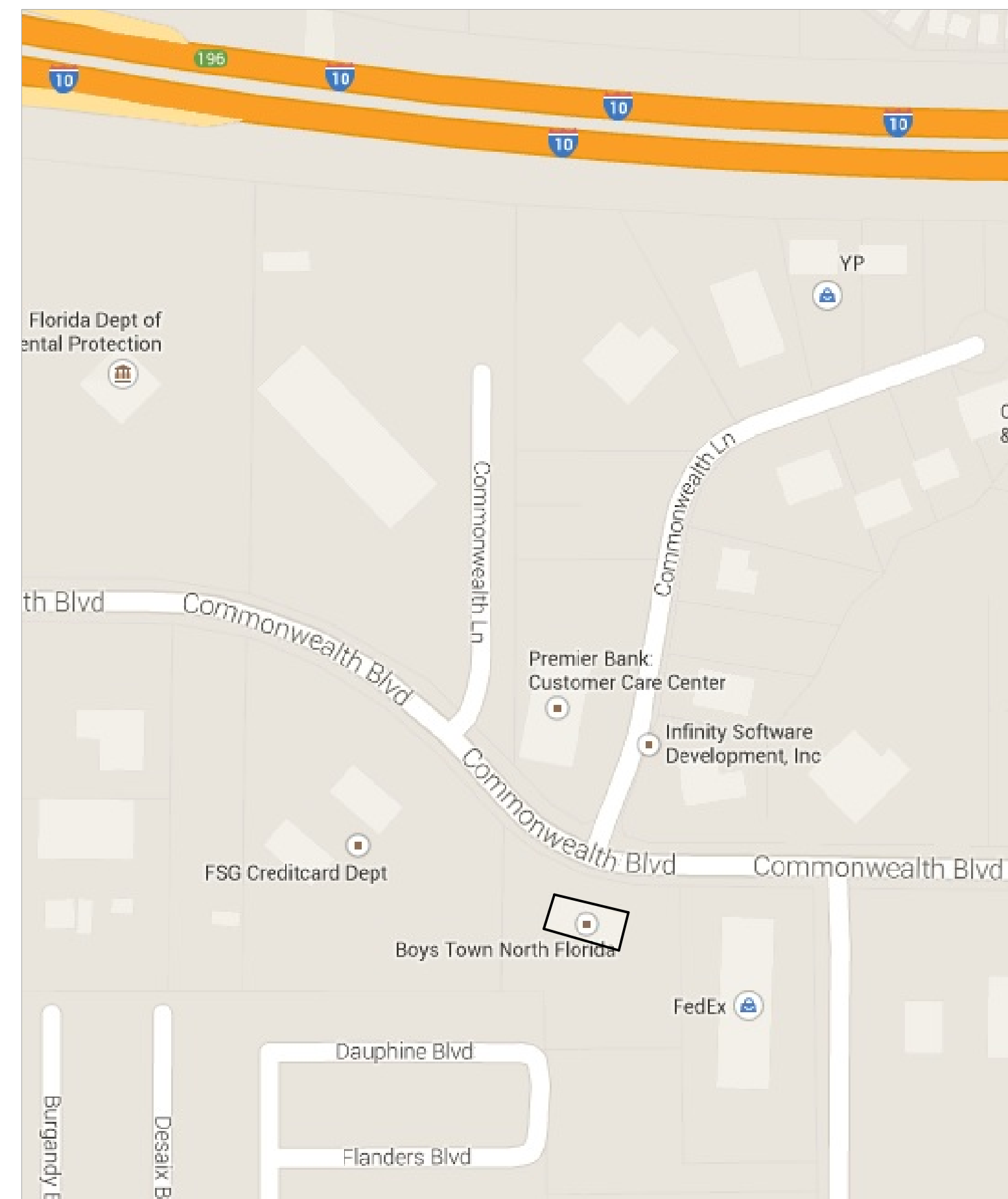
ELECTRICAL

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CLIENT



LOCATION MAP



BUILDING CLASSIFICATION AND DATA

APPLICABLE CODES:

FLORIDA BUILDING CODE (FBC-B)	2010 EDITION
FLORIDA ACCESSIBILITY CODE (FACBC)	2010 EDITION
FLORIDA MECHANICAL CODE (FBC-M)	2010 EDITION
FLORIDA FUEL GAS CODE (FBC-FG)	2010 EDITION
FLORIDA PLUMBING CODE (FBC-P)	2010 EDITION
FLORIDA FIRE PREVENTION CODE (FFPC)	2014 EDITION
NATIONAL ELECTRICAL CODE (NEC)	2008 EDITION

OCCUPANCY GROUP CLASSIFICATION:

(F.B.C.) USE GROUP - BUSINESS
 (F.F.P.C.) NEW BUSINESS

TYPE OF CONSTRUCTION:

NEW CONSTRUCTION TYPE - IIB

AREA CALCULATIONS

BASEMENT LEVEL (AREA OF ALTERATION) 2,160 S.F. (+/-)

OCCUPANT LOAD

BUSINESS 1 PER 100	1160 S.F. / 100 = 12 PEOPLE
FILES/STORAGE 1 PER 200	855 S.F. / 200 = 5 PEOPLE
STAIRS	145 S.F. / 0 = 0 PEOPLE
TOTAL 17 PEOPLE	

INTERIOR IMPROVEMENTS FOR BOYS TOWN
 3555 COMMONWEALTH BLVD., TALLAHASSEE, FLORIDA

COVERSHEET / INDEX OF DRAWINGS



DATE: JAN. 08, 2015

DRAWN BY: B.H.

REVISED:

JOB NO.: 14-281

DATE: SHEET NUMBER: G1.0

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DEMOLITION NOTES

NOTE - THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE, AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.

LIMITS OF ALTERATION WORK - ALTERATION WORK ZONE LIMITS ARE ESTABLISHED ON THE DRAWINGS. ALL ALTERATION WORK CONTRACTORS AND TRADES SHALL COORDINATE THEIR WORK WITH ONE ANOTHER WITHIN THE ESTABLISHED LIMITS.

SEQUENCE OF ALTERATION WORK - IN THE EVENT THAT ANY SPECIAL SEQUENCING OF THE WORK IS REQUIRED BY OWNER, THE CONTRACTOR SHALL ARRANGE A CONFERENCE WITH THE OWNER FOR THE PURPOSE OF ESTABLISHING ANY SPECIAL SCHEDULING BEFORE ANY SUCH WORK IS BEGUN.

INDEFINITE UNDERGROUND UTILITIES OR OTHER SERVICES AS MAY BE UNCOVERED SHALL NOT BE DISTURBED BUT BROUGHT TO THE ARCHITECT'S ATTENTION FOR DIRECTION AS TO HOW TO PROCEED.

TEMPORARY SHORING - PROVIDE ANY TEMPORARY SHORING, CRIBBING OR UNDERPINNING AS MAY BE REQUIRED OR DIRECTED BY THE ARCHITECT AT ANY TIME AND IN ANY PORTION OF THE ALTERATION WORK FOR THE DURATION OF SUCH WORK.

GENERAL CUTTING AND PATCHING - PERFORM ANY AND ALL CUTTING AND PATCHING AND GENERAL RESTORING AS MAY BE OCCASIONED BY THE ALTERATION WORK.

SPECIAL PERMITS - SECURE ANY AND ALL PERMITS TO DEMOLISH AND RENOVATE AS MAY BE REQUIRED BY LOCAL AUTHORITIES HAVING JURISDICTION OVER SUCH WORK.

DEMOLITION

- DEMOLITION WORK - ENTIRELY DEMOLISH ON THE SITE ANY STRUCTURE OR PORTION THEREOF INDICATED TO BE REMOVED.
- CONCRETE - EXERCISE DUE CAUTION IN CUTTING AND PATCHING, CHIPPING OR GENERAL CONCRETING SO AS NOT TO DEFACE THAT PORTION OF THE EXISTING STRUCTURE WHICH IS TO REMAIN.
 - DRYWALL - WITHIN THE LIMITS OF THE ALTERATION WORK, SHOULD ANY PORTION OF EXISTING DRYWALL SURFACES BE DENTED, BROKEN, SCRATCHED OR UNFASTENED, SPACKLE WITH DRYWALL CEMENT, REFASTEN OR OTHERWISE REPAIR.
 - PLUMBING AND ELECTRICAL - IN ANY CASE WHERE A NEW LINE MAY BE INTO AND EXTEND AN EXISTING LINE WITHIN THE LIMITS OF THE ALTERATION WORK, EXAMINE THE ENTIRE EXISTING LINE AND DETERMINE WHETHER THE NEW WORK WILL BE ADVERSELY AFFECTED BY IT, AND NOTIFY THE ARCHITECT OF ANY SUCH DEFECT BEFORE TYING IN.

RENOVATION

- EXISTING CONDITIONS AS SHOWN ON THE DRAWINGS ARE TAKEN FROM ORIGINAL AND AS-BUILT DRAWINGS OF THE BUILDING AND IN PART ARE UNVERIFIED. FIELD CONDITIONS SHALL GOVERN. ALL EXISTING CONDITIONS MUST BE VERIFIED PRIOR TO INITIATION OF WORK.
- PLUMBING CONTRACTOR SHALL SUBMIT SHOP DRAWINGS APPROVED BY THE AUTHORITIES HAVING JURISDICTION TO THE ARCHITECT/ENGINEER FOR ANY PIPING CONFIGURATIONS AND SIZES THAT DIFFER FROM THOSE SHOWN ON PLUMBING DRAWINGS AS A RESULT OF EXISTING SITE CONDITIONS AND/OR EXISTING PIPING LOCATIONS.
- COORDINATE WITH GENERAL CONTRACTOR TO PATCH ALL EXISTING WALLS, FLOORS, CEILINGS, ETC., AS REQUIRED BY NEW WORK.

KEY NOTES

- INDICATES EXISTING WALL, AT THIS AREA TO REMAIN. SEE DEMOLITION NOTES.
- REMOVE EXISTING WALL, FINISHES, AND UTILITIES TO EXTENT SHOWN. SEE DEMOLITION NOTES.
- EXISTING EXHAUST DUCTWORK TO BE REMOVED.
- EXISTING STEEL COLUMNS TO REMAIN FIELD VERIFY LOCATIONS. SEE PROPOSED FLOOR PLAN.
- REMOVE EXISTING DOORS, FRAMES, AND HARDWARE. SEE PROPOSED FLOOR PLAN.

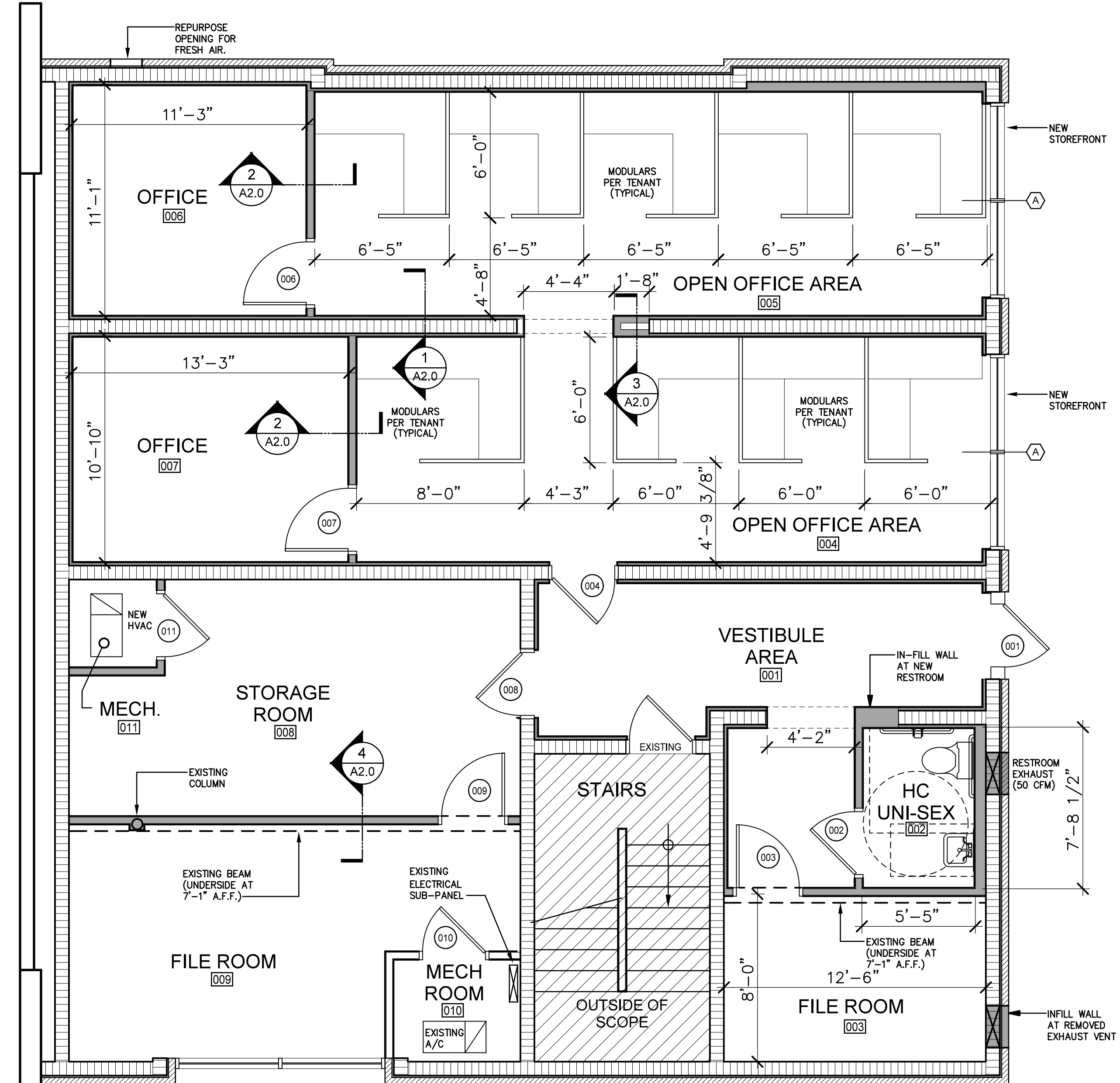
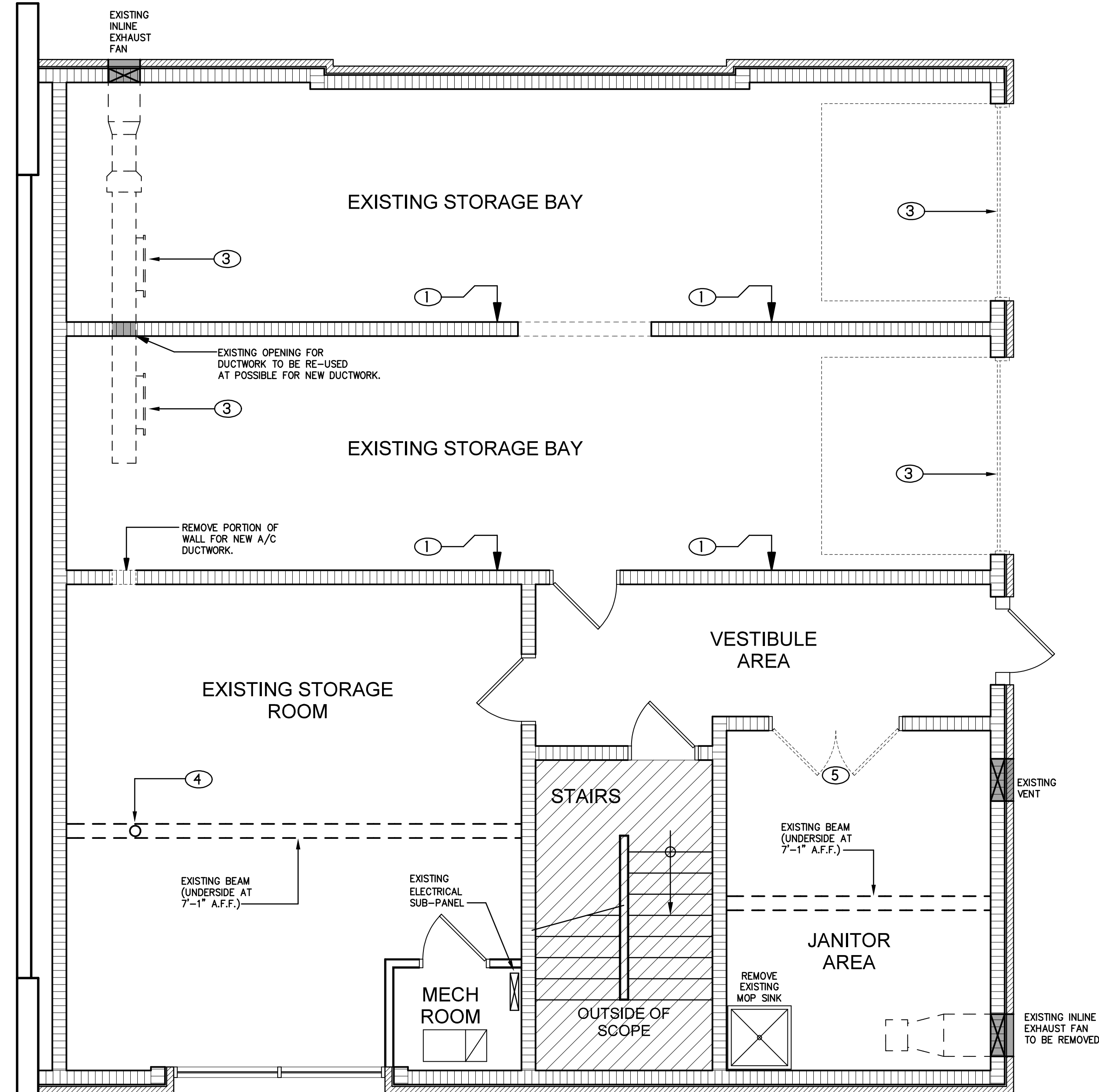
INDICATES EXISTING WALL, DOOR, FINISH, FIXTURE, UTILITY, ETC. TO REMAIN. SEE KEYNOTES AND DEMOLITION NOTES.

INDICATES EXISTING WALL, DOOR, FINISH, FIXTURE, UTILITY, ETC. TO BE REMOVED. SEE KEYNOTES AND DEMOLITION NOTES.

EXISTING CONDITIONS AS SHOWN ARE BASED ON FIELD MEASUREMENTS AND MAY VARY FROM ACTUAL FIELD CONDITIONS. ACTUAL FIELD CONDITIONS SHALL GOVERN.

PRIOR TO BIDDING, ALL SUB-CONTRACTORS ARE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS TO DETERMINE THE SCOPE OF WORK NECESSARY TO ACHIEVE THE PROPOSED CONDITIONS AS SHOWN ON THE PLANS.

CONTRACTOR(S) SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.



GENERAL NOTES

- NOTE:** ALL INTERIOR DIMENSIONS ON DIMENSIONED FLOOR PLAN ARE TO OUTSIDE OF STUDS UNLESS OTHERWISE INDICATED.
- NOTE:** ALL NEW DOORS SHALL HAVE A MINIMUM OF 18" ON PULL SIDE OF DOOR. (TYPICAL)
- NOTE:** ALL CONSTRUCTION SHALL BE AS PER CODES STATED ON THE COVER SHEET.
- NOTE:** THE ELEVATION OF FLOOR SURFACES ON BOTH SIDES OF ALL DOORS SHALL NOT VARY MORE THAN 1/2". THE ELEVATION SHALL BE MAINTAINED ON BOTH SIDES OF A DOORWAY FOR A DISTANCE AT LEAST EQUAL TO THE WIDEST LEAF. (TYPICAL)
- NOTE:** ALL EQUIPMENT / FURNITURE / MODULAR OR OTHER UN-FIXED ITEM IS PROVIDED BY THE TENANT. (NOT INCLUDED IN CONTRACT)

SYMBOLS LEGEND

- NOTE:** SEE DOOR SCHEDULE AND ELEVATIONS SHEET FOR ALL DOOR RELATED INFORMATION. FOR ALL DOOR RELATED INFORMATION. (XXX)
- NOTE:** SEE WINDOW INFORMATION AND ELEVATIONS FOR ALL WINDOW RELATED INFORMATION. (X)
- NOTE:** SEE FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR FINISHES AND FINISH REQUIREMENT. (XXX)
- NOTE:** SEE WALL SECTIONS AND BUILDING SECTIONS AS PER TAG IDENTIFIED LOCATIONS FOR BUILDING MATERIAL INFORMATION. (X)

WALL NOTES

- EXISTING STRUCTURAL BEAM (UNDERSIDE AT 7'-1")
- == NEW 3-5/8" METAL STUDS AT 16" O.C. WITH 1 LAYER OF 5/8" G.W.B. ON EACH SIDE OF STUDS. (ALL NEW WALLS TO HAVE BATTS INSULATION)
- ▨ EXISTING CMU BLOCK WALL WITH NEW 3/4" FURRING AND 5/8" G.W.B. ON EXPOSED SIDES.

INTERIOR IMPROVEMENTS FOR BOYS TOWN
3555 COMMONWEALTH BLVD., TALLAHASSEE, FLORIDA

FLOOR PLAN - EXISTING / PROPOSED

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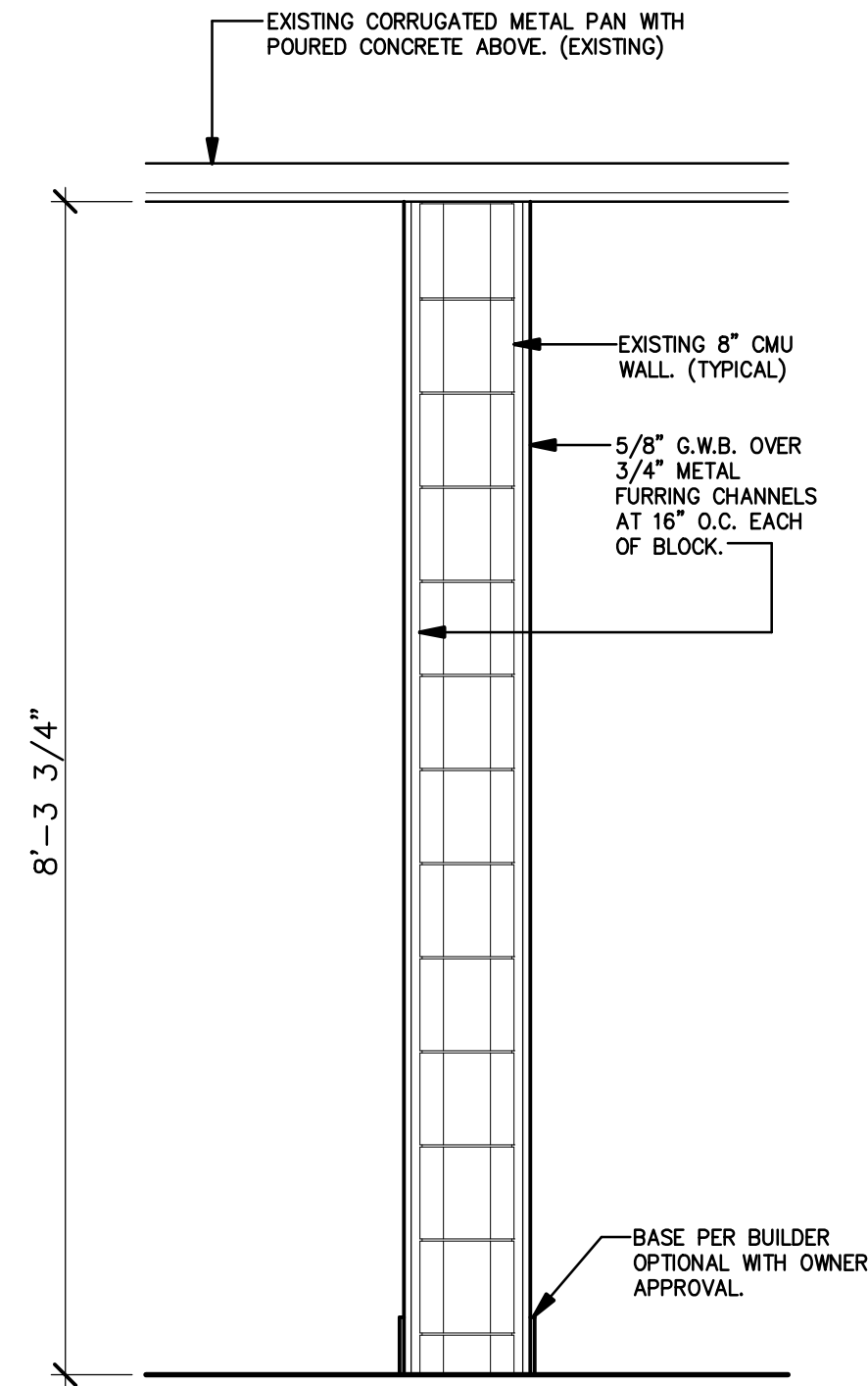
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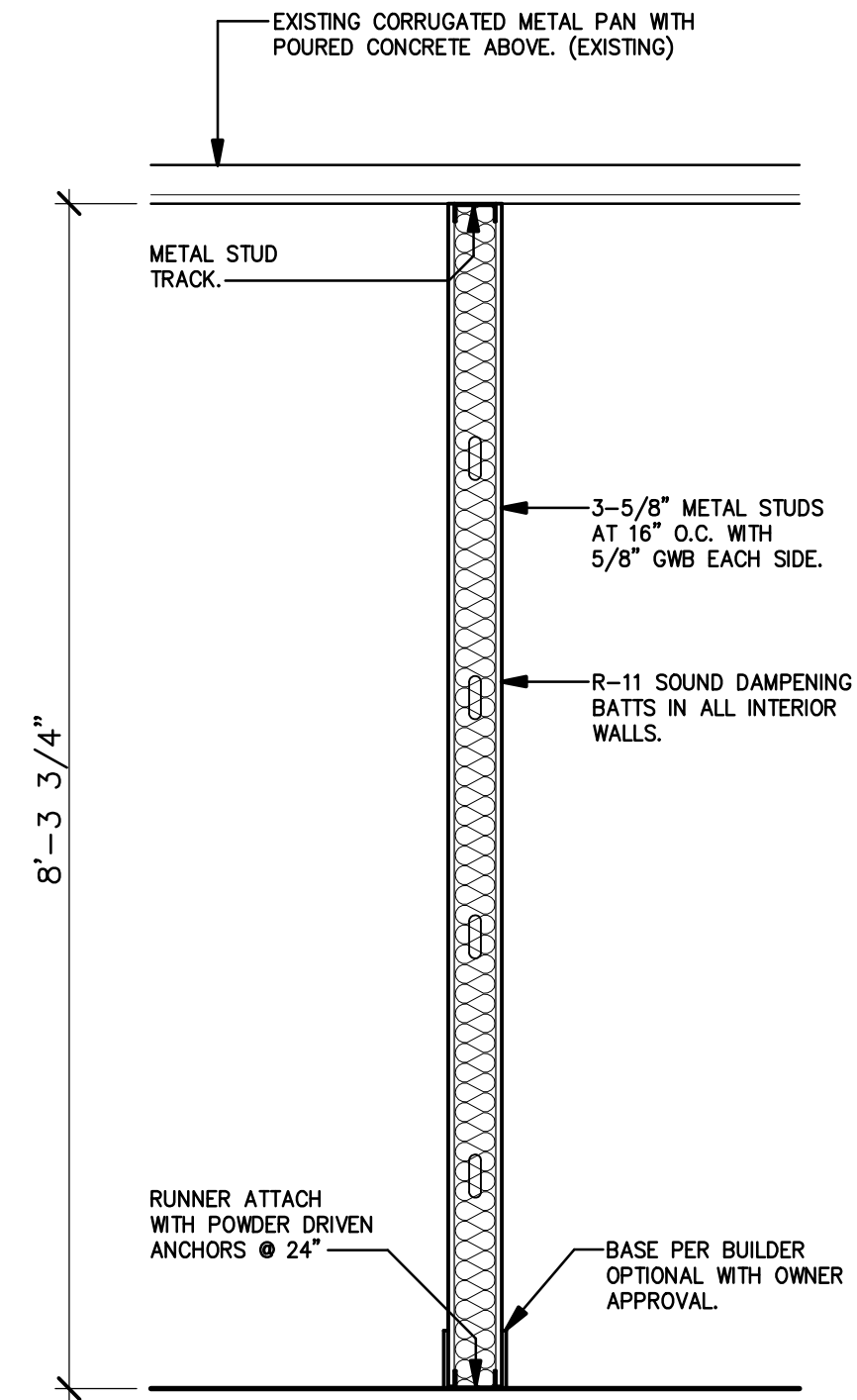
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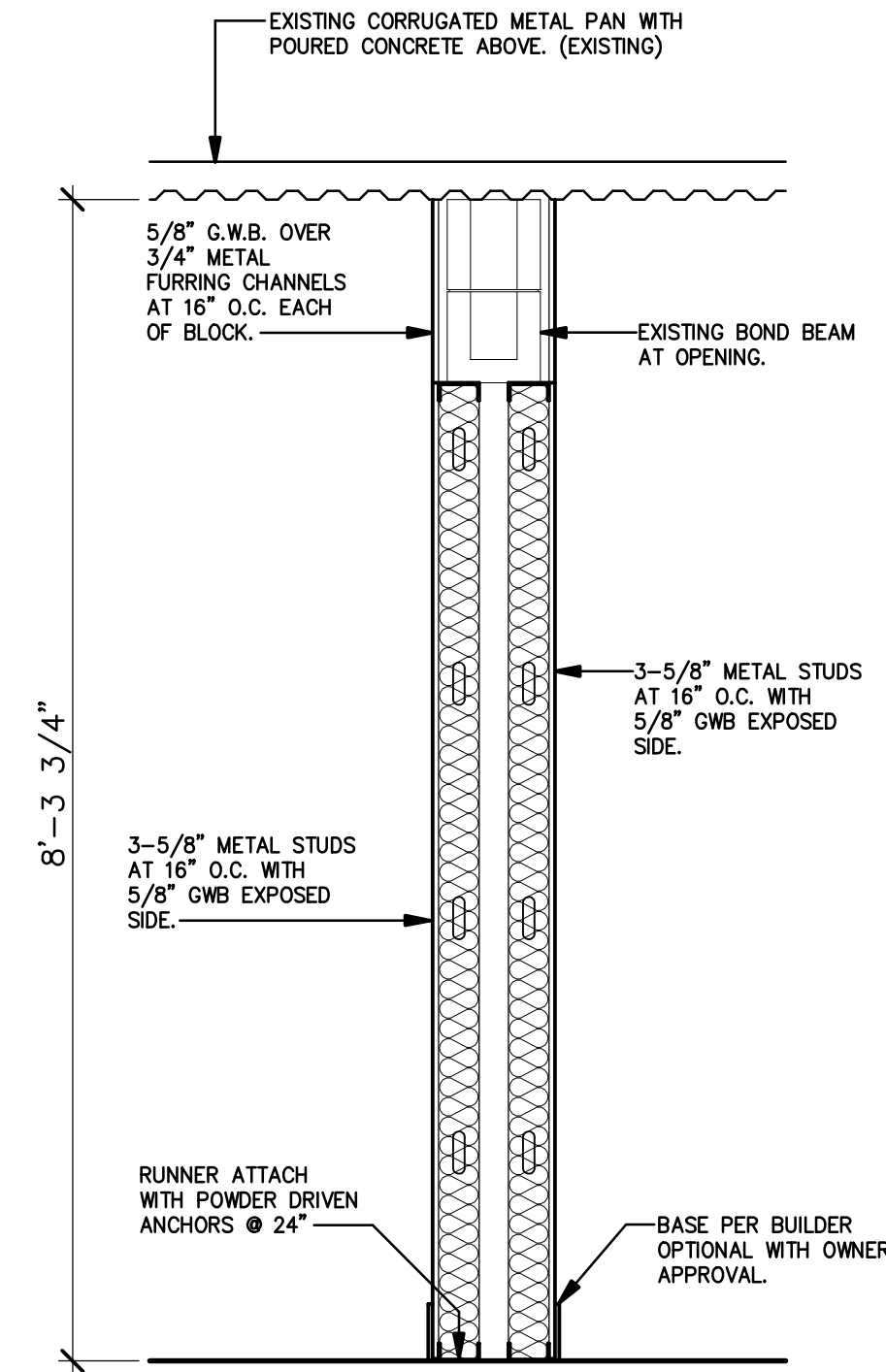
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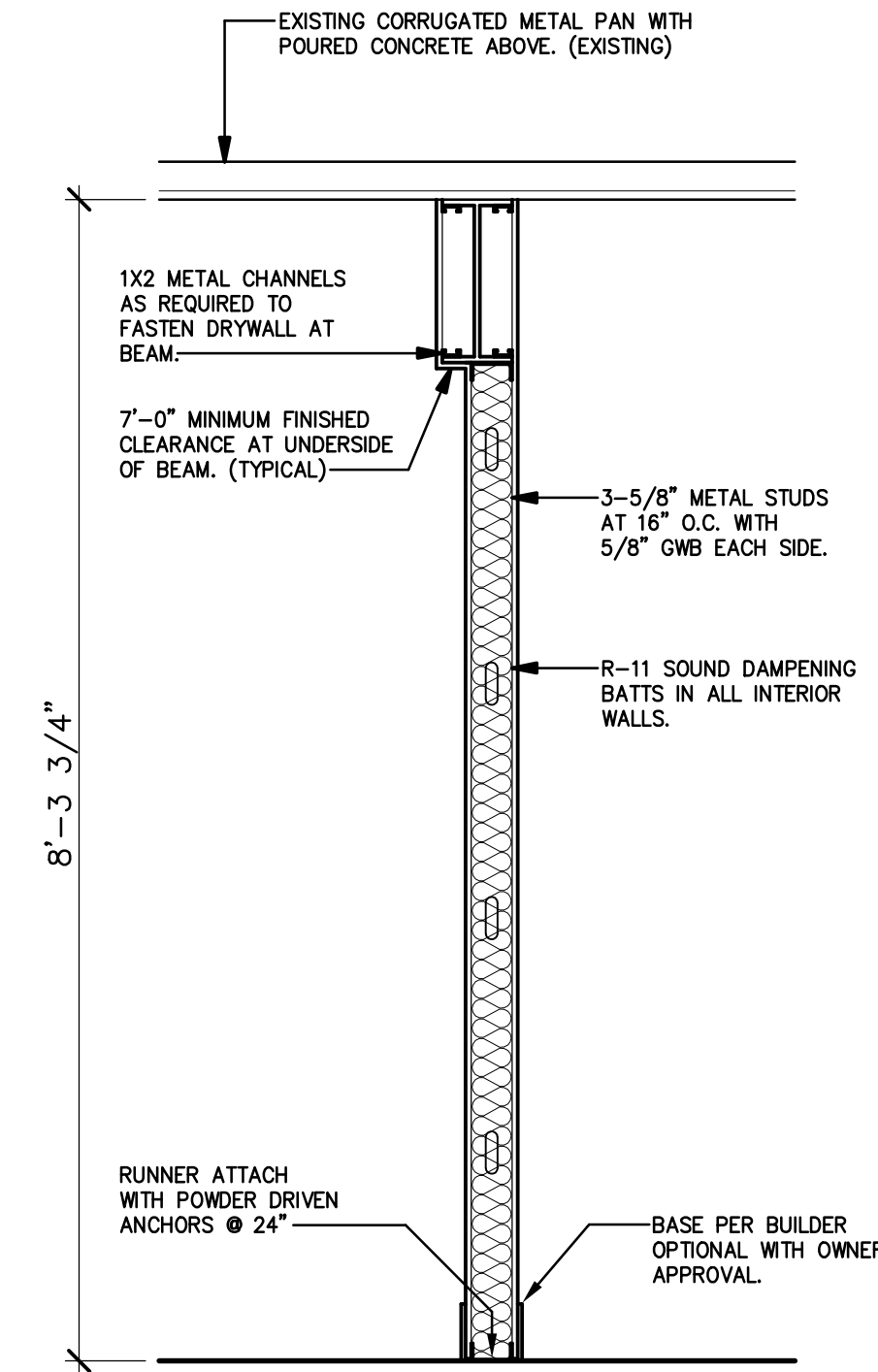
1 WALL SECTION
A2.0 SEE PLANS FOR LOCATION SC: 3/4" = 1'-0"



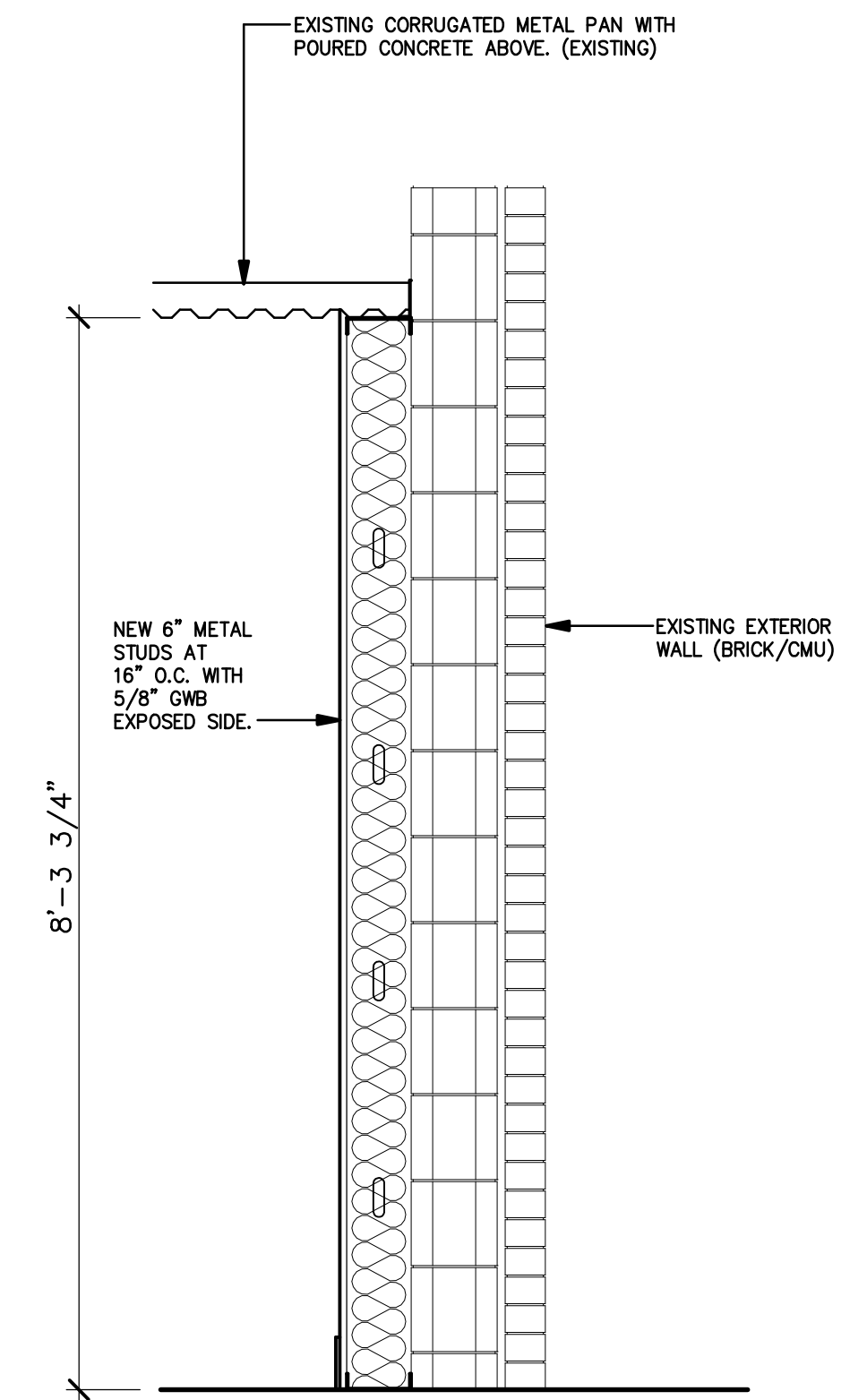
2 WALL SECTION
A2.0 SEE PLANS FOR LOCATION SC: 3/4" = 1'-0"



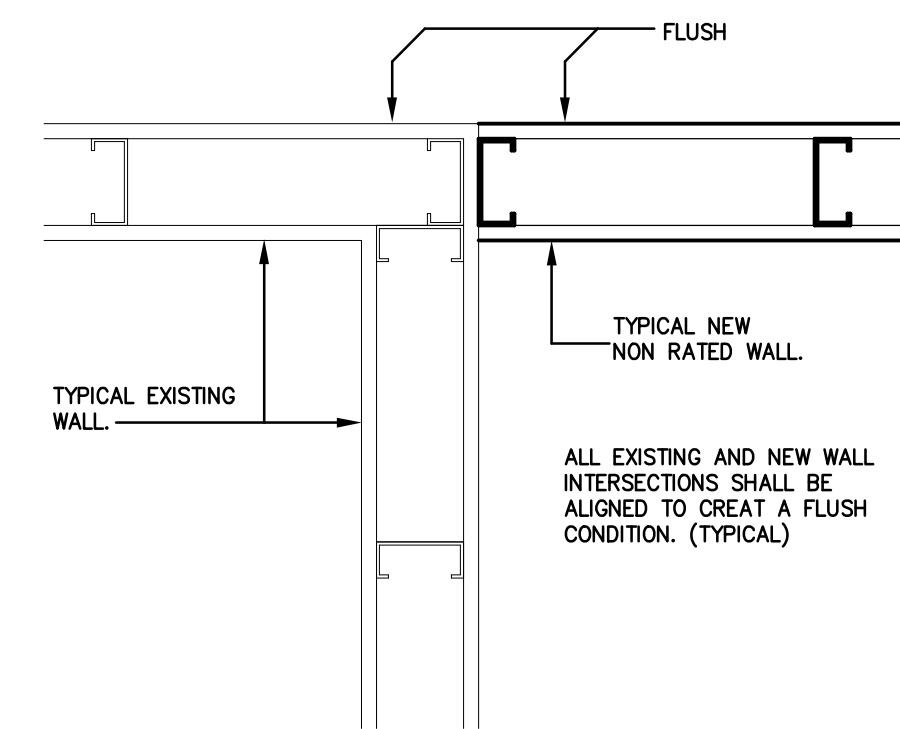
3 WALL SECTION
A2.0 SEE PLANS FOR LOCATION SC: 3/4" = 1'-0"



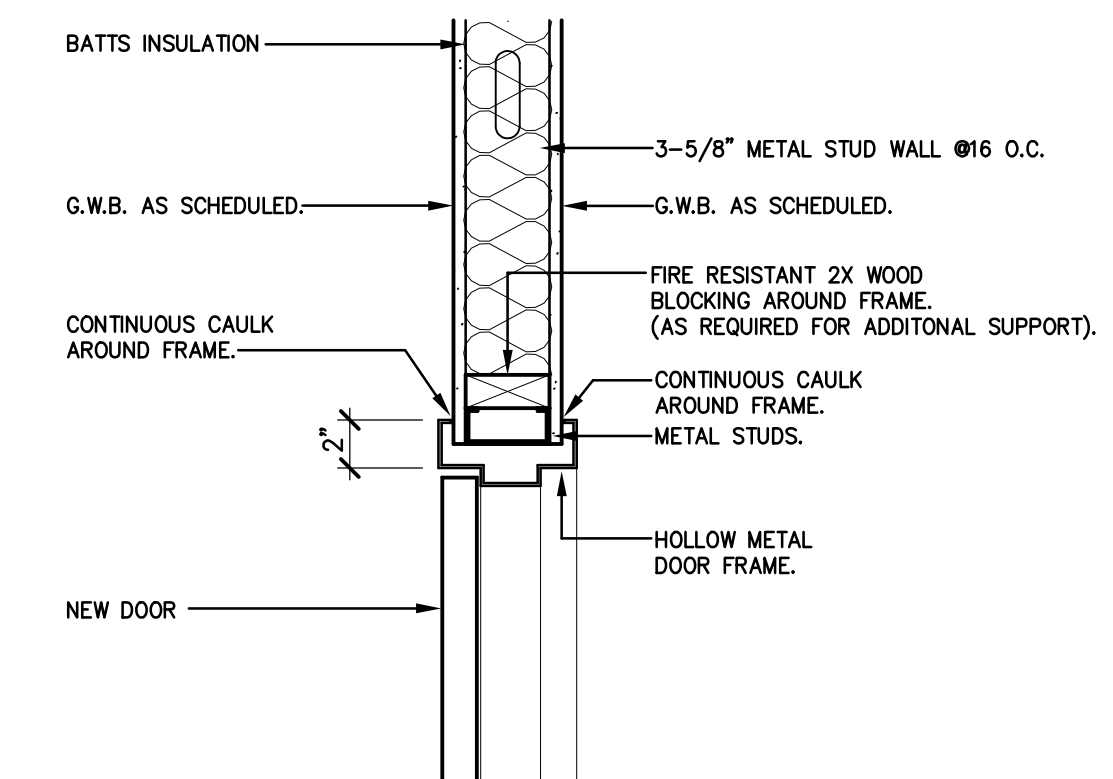
4 WALL SECTION
A2.0 SEE PLANS FOR LOCATION SC: 3/4" = 1'-0"



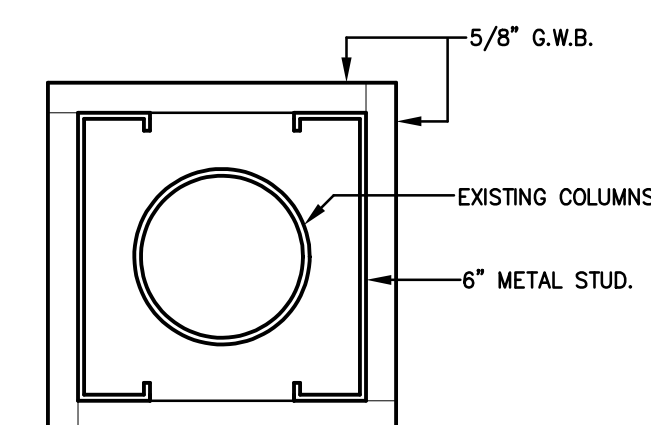
5 WALL SECTION
A2.0 SEE PLANS FOR LOCATION SC: 3/4" = 1'-0"



6 DETAIL
A2.0 TYPICAL SC: 1-1/2" = 1'-0"



7 INT. DOOR HEAD
A2.0 TYPICAL SC: 1-1/2" = 1'-0"



8 COLUMN DETAIL
A5.0 TYPICAL N.T.S.

INTERIOR IMPROVEMENTS FOR BOYS TOWN
3555 COMMONWEALTH BLVD., TALLAHASSEE, FLORIDA

WALL SECTIONS / DETAILS

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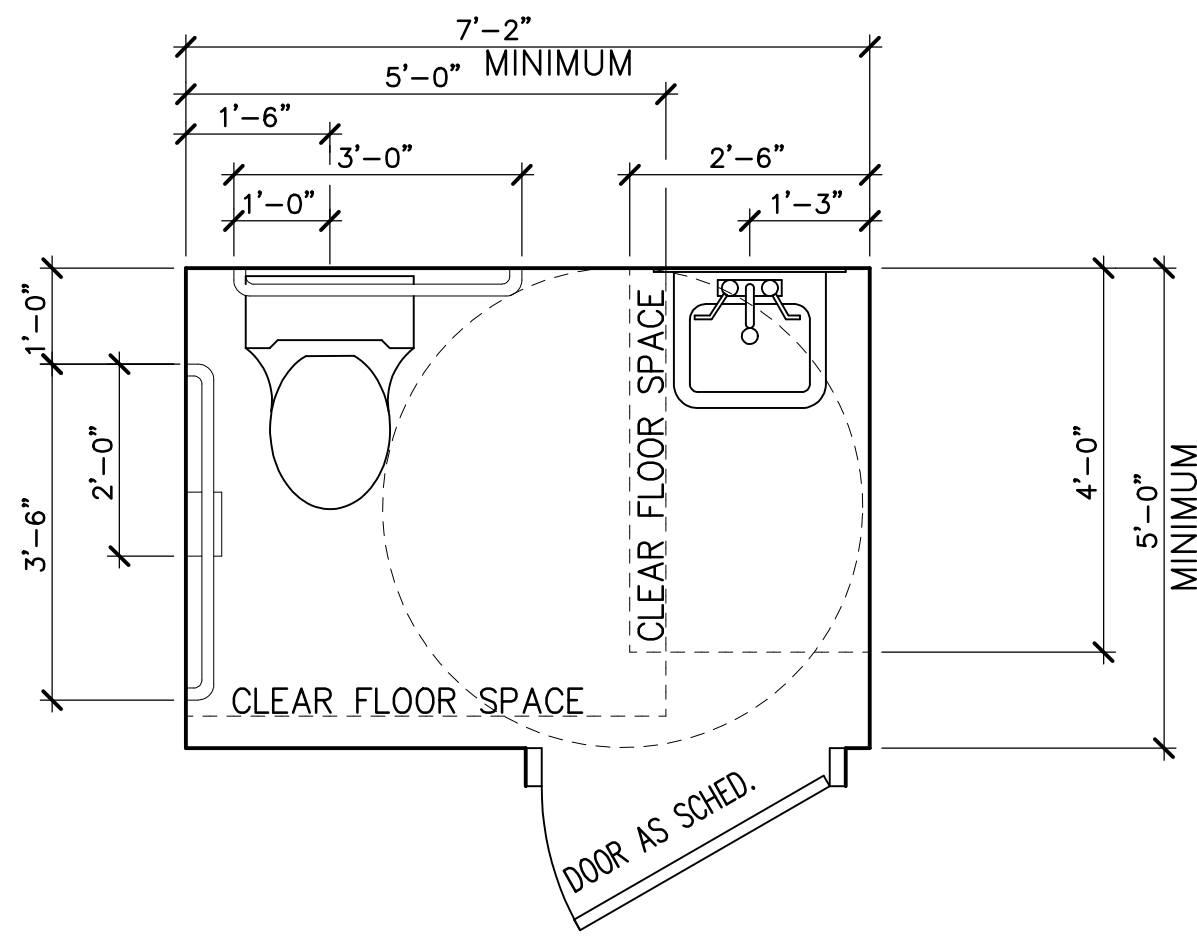
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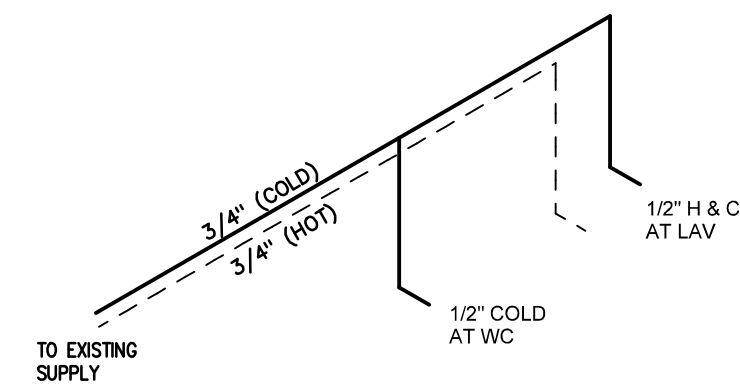
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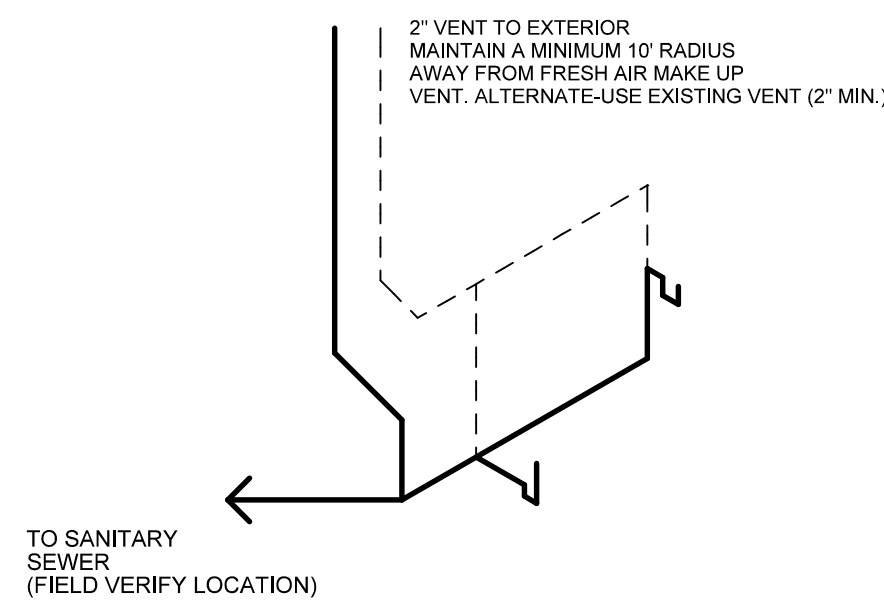
ENLARGED RESTROOM - TYP.

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



SUPPLY RISER

SEE PLUMBING NOTES N.T.S.



WASTE / VENT DIAGRAM

SEE PLUMBING NOTES N.T.S.

ALL OTHER PLUMBING FIXTURES, INCLUDING BUT NOT LIMITED TO: FIXTURES, HARDWARE, AND ACCESSORIES SHALL BE SELECTED BY OWNER UNLESS OTHERWISE NOTED ON DRAWINGS. CONTRACTORS ARE RESPONSIBLE FOR COORDINATING WITH OWNER.

GENERAL NOTES

- GRAB BARS SHALL BE A MINIMUM 1 1/4" TO A MAX 1 1/2" OUTSIDE DIAMETER WITH A MINIMUM 1-1/2" CLEAR SPACE BETWEEN FINISHED FACE OF WALL AND BAR. MOUNT BARS TO SUPPORT A POINT LOAD OF 250 LBS. MIN.
 - PROVIDE 2X WOOD BLOCKING AT TOILET ACCESSORY LOCATIONS FOR MOUNTING PURPOSES.
 - ACCESSIBLE WATER CLOSETS, WHETHER FLOOR OR WALL MOUNTED SHALL HAVE THE SEAT, NOT RIM, AT 17" MIN. TO 19" MAX. ABOVE THE FINISHED FLOOR.
- ALL RESTROOM DIMENSIONS MUST BE MAINTAINED TO ALLOW FOR CODE COMPLIANCE.

PLUMBING NOTES

- PLUMBING DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THE CONTRACT - REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.
- INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA PLUMBING CODE, FLORIDA FIRE PREVENTION CODE, LOCAL PLUMBING CODES. WHERE CONFLICTS OCCUR BETWEEN DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
- ALL WORK SHALL BE INSTALLED IN A WORKMANLIKE MANNER BY EXPERIENCED TRADESMEN.
- CONTRACTOR SHALL FIELD VERIFY ALL GIVEN MEASUREMENTS PRIOR TO LAYING AND CONNECTING ALL SANITARY AND WASTE PIPING AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN CONTRACT OR HEREIN SPECIFIED OR OTHERWISE.
- CONTRACTOR SHALL GIVE 24 HOURS NOTICE TO APPLICABLE UTILITY COMPANY PRIOR TO PERFORMING WORK INVOLVING UTILITIES.
- PLUMBERS SHALL BE LICENSED BY STATE AND LOCAL AUTHORITIES TO INSTALL ALL PIPING.
- GENERAL CONTRACTOR IS TO VERIFY ALL INSLAB - ROUGH-INS LOCATIONS BEFORE POURING SLABS.
- LOCATIONS OF ANY WASTE & SUPPLY LINES SHOWN ARE ONLY APPROXIMATE. PLUMBING CONTRACTOR SHALL VERIFY THESE LOCATIONS BEFORE PROCEEDING WITH WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY FITTINGS AS REQUIRED BY ALL APPLICABLE CODES AND GOVERNING AUTHORITIES.
- CONTRACTOR SHALL VERIFY AND CORRECT AS REQUIRED TO MEET ALL CODES AND REGULATIONS ANY POSSIBLE DISCREPANCIES BETWEEN TYPE AND SIZE OF CONNECTION SPECIFIED IN PLUMBING FIXTURE SCHEDULE AND FIXTURES ACTUALLY INSTALLED ON THE SITE.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHER-PROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS.
- UTILITY CONNECTIONS INDICATED ON THE PLANS ARE BEST INFORMATION AVAILABLE TO THE DESIGNERS AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
- ALL POTABLE WATER PIPING SHALL BE DISINFECTED IN ACCORDANCE WITH SECTION 1207 OF THE STANDARD PLUMBING CODE AND VERIFIED BY WRITTEN REPORT FROM THE FLORIDA STATE BOARD OF HEALTH.
- ALL PLUMBING LINES SHALL BE CONCEALED IN FLOORS, WALLS, OR ABOVE CEILINGS AS APPLICABLE EXCEPT AT IMMEDIATE FIXTURE.
- PVC PIPING SHALL NOT BE USED IN UNENCLOSED LOCATIONS WITHIN THE BUILDING. COPPER IS ACCEPTABLE.
- ALL SANITARY PIPING SHALL HAVE A 1/8" PER FOOT SLOPE UNLESS OTHERWISE NOTED.
- VALVES AND FITTINGS SHALL BE OF SAME SIZE AS LINE ON WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON DRAWINGS.
- ALL WATER SUPPLY AND SANITARY LINES SHALL BE RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES IN SIZING.
- ALL WATER SUPPLY AND SANITARY LINES SHALL BE RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES IN SIZING.
- ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES EXCEPT AS SPECIFICALLY NOTED.
- CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
- ALL WATER PIPING INSTALLED IN EXTERIOR WALLS SHALL BE PLACED ON THE INTERIOR SIDE OF THE WALL, SO THAT WALL INSULATION CAN BE PLACED ON THE EXTERIOR SIDE OF THE PIPING.
- PROVIDE CUT-OFF VALVES AT LAVATORIES, SINKS, WATER CLOSET, AND REFRIGERATOR ICE MAKER SUPPLY BOXES.
- PROVIDE SHUT-OFF VALVE FOR MAIN SERVICE ENTER INTO BUILDING.
- WATER HEATER SHALL BE PLACED IN A METAL PAN WITH 4" SIDES AND 2" TRAPPED WASTE. 3/4" PRESSURE RELIEF LINES FROM WATER HEATER SHALL LEAD DIRECTLY TO EXTERIOR.
- VENT PIPING SHOWN ON FLOOR PLANS IS ONLY INDICATIVE EXCEPT FOR VTR LOCATIONS.
- ALL VENTS THROUGH ROOF SHALL BE MIN. 10'-0" FROM ANY AIR INTAKES.
- ALL HOSE BIBS AND FAUCET WITH HOSE THREAD CONNECTION TO HAVE VACUUM BREAKER.
- PLUMBING CONTRACTOR SHALL VERIFY IF PRESSURE REDUCING VALVE IS NEEDED.
- ALL NEW HOT WATER PIPING THAT WILL CONVEY WATER IN EXCESS OF 105 DEGREES SHALL BE INSULATED.

ROOM FINISH SCHEDULE

MARK	ROOM NAME	FLOORING		BASE	WALLS	CEILING	WALL & CEILING RATING	CLG. HT.	REMARKS
		FINISH	CLASS						
001	VESTIBULE AREA	CARPET	I OR II	4" VNYL	G.W.B./PAINT	EXISTING	A OR B	EXISTING	
002	UNISEX	CARPET		4" VNYL	G.W.B./PAINT	EXISTING	A, B OR C	EXISTING	
003	FILE ROOM	CARPET		4" VNYL	G.W.B./PAINT	EXISTING	A, B OR C	EXISTING	
004	OPEN OFFICE AREA	CARPET	I OR II	4" VNYL	G.W.B./PAINT	EXISTING	A OR B	EXISTING	
005	OPEN OFFICE AREA	CARPET	I OR II	4" VNYL	G.W.B./PAINT	EXISTING	A OR B	EXISTING	
006	OFFICE	CARPET		4" VNYL	G.W.B./PAINT	EXISTING	A, B OR C	EXISTING	
007	OFFICE	CARPET		4" VNYL	G.W.B./PAINT	EXISTING	A, B OR C	EXISTING	
008	STORAGE ROOM	CARPET	I OR II	4" VNYL	G.W.B./PAINT	EXISTING	A OR B	EXISTING	
009	FILE ROOM	CARPET		4" VNYL	G.W.B./PAINT	EXISTING	A, B OR C	EXISTING	
010	MECHANICAL ROOM	CARPET		4" VNYL	G.W.B./PAINT	EXISTING	A, B OR C	EXISTING	
011	MECHANICAL ROOM	CARPET		4" VNYL	G.W.B./PAINT	EXISTING	A, B OR C	EXISTING	

FLAMESPREAD CLASS RATING DEFINITION

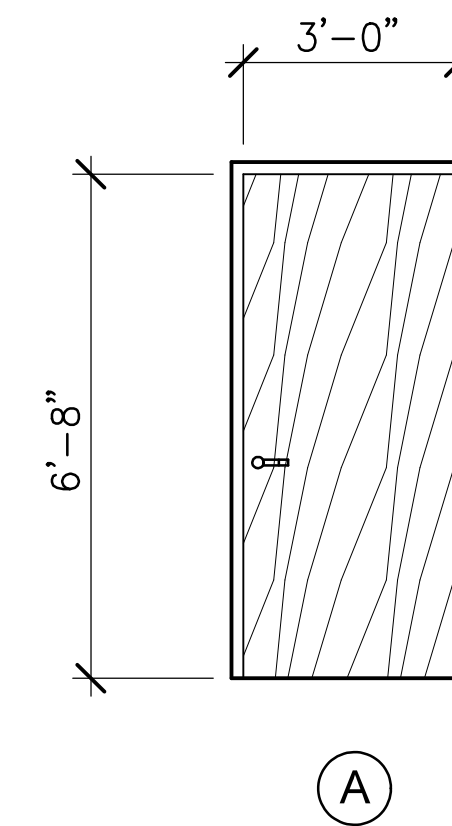
CLASS A INTERIOR WALL AND CEILING FINISH - FLAME SPREAD 0-25, (NEW) SMOKE DEVELOPED 0-450
 CLASS B INTERIOR WALL AND CEILING FINISH - FLAME SPREAD 26-75, (NEW) SMOKE DEVELOPED 0-450
 CLASS C INTERIOR WALL AND CEILING FINISH - FLAME SPREAD 76-200, (NEW) SMOKE DEVELOPED 0-450

FINISH NOTES.

BUILDER TO COORDINATE ALL FINISHES, COLORS, AND STYLE SELECTIONS WITH OWNER.
 INSTALL A.D.A. COMPLIANT TRANSITION STRIPS AT ALL CHANGES IN FINISH FLOORING.

DOOR SCHEDULE

MARK	LOCATION	SIZE	FRAME	DOOR		RATING	REMARKS
				MAT'L	ELEV		
001	VESTIBULE AREA	3'-0"x6'-8"	---	---	---	EXISTING	
002	UNISEX	3'-0"x6'-8"	H.M.	WOOD	A		
003	FILE ROOM	3'-0"x6'-8"	H.M.	WOOD	A		
004	OPEN OFFICE AREA	3'-0"x6'-8"	H.M.	WOOD	A		
005	OPEN OFFICE AREA	3'-0"x6'-8"	H.M.	WOOD	A		
006	OFFICE	3'-0"x6'-8"	H.M.	WOOD	A		
007	OFFICE	3'-0"x6'-8"	H.M.	WOOD	A		
008	STORAGE ROOM	3'-0"x6'-8"	---	---	---	EXISTING	
009	FILE ROOM	3'-0"x6'-8"	H.M.	WOOD	A		
010	MECHANICAL ROOM	3'-0"x6'-8"	---	---	---	EXISTING	
011	MECHANICAL ROOM	3'-0"x6'-8"	H.M.	WOOD	A		



DOOR / FRAME ELEVATIONS

SCALE: 3/8" = 1'-0"

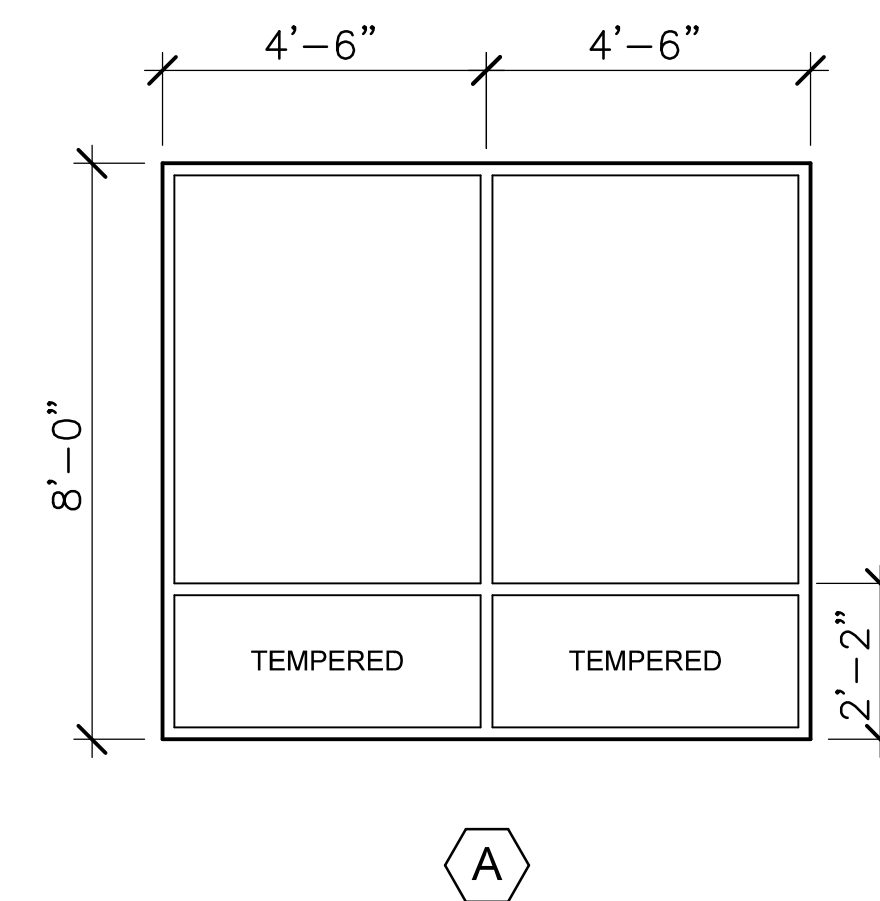
DOOR SCHEDULE NOTES

- ALL DOORS SHALL HAVE LEVER TYPE HARDWARE PER CODE.
- FINISH TYPE, AND COLOR OF ALL DOORS, WINDOWS, AND FRAMES TO BE COORDINATED WITH OWNER.
- COORDINATE ALL DOORS AND FINISHES WITH OWNER PRIOR TO BID.
- DOOR SUPPLIER SHALL SUBMIT DOOR HARDWARE SCHEDULE TO THE OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.
- ALL HARDWARE SHALL BE COMMERCIAL GRADE AND SHALL BE SELECTED BY OWNER.
- ALL DOORS SHALL HAVE SILENCERS AND FLOOR MOUNTED, DOOR STOPS.
- ALL GLASS WITHIN DOORS, WITHIN 24" OF A DOOR, OR WITHIN 18" FROM FINISHED FLOOR SHALL BE TEMPERED.

INTERIOR & EXTERIOR DOOR ACCESSIBILITY NOTE

ALL DOORS SHALL BE OPERABLE BY A SINGLE EFFORT. THE DOORS, AND CLOSERS SHALL BE ADJUSTED SUCH THAT EXTERIOR SWINGING DOORS CAN BE OPERATED BY NOT MORE THAN 8.5 POUNDS OF FORCE ON THE LATCH STILE, INTERIOR DOORS BY NOT MORE THAN 5.0 POUNDS OF FORCE.

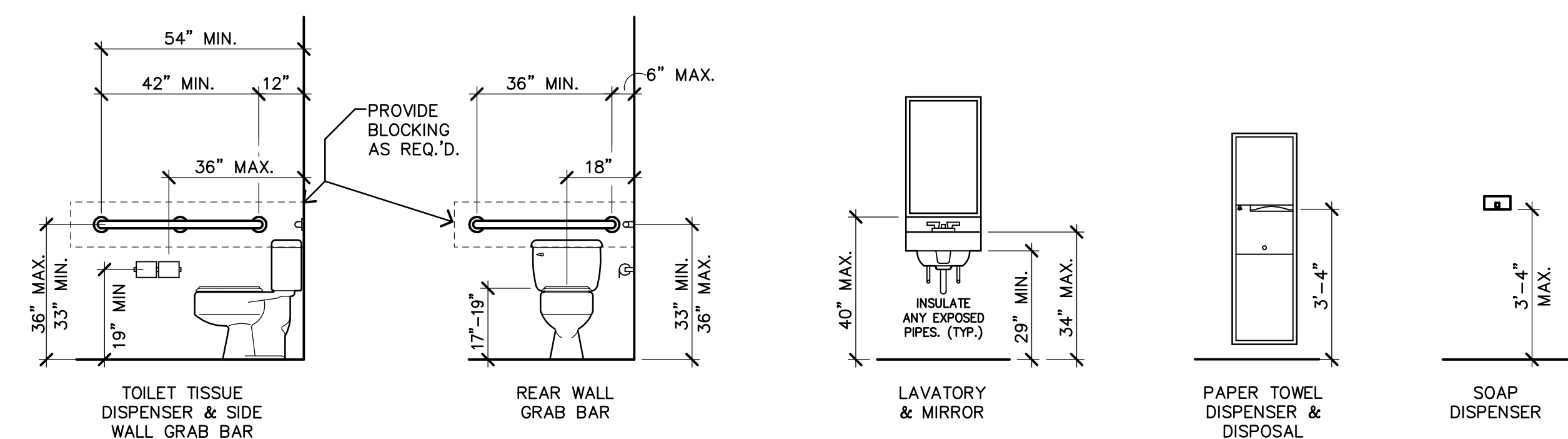
NOTE. HANDRAILS, PULLS, LOCKSETS, AND OTHER OPERATING MECHANISMS ON ALL DOORS, AND OTHER MECHANISMS, OR U-SHAPED HANDLES SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. THIS REQUIREMENT SHALL BE SATISFIED BY THE 5 POUND FEET STANDARD. ALL DOORS SHALL MEET ACCESSIBILITY REQUIREMENTS AS PER CODES STATED ON THE COVER SHEET.



GLAZING ELEVATION

SCALE: 3/8" = 1'-0"

RESTROOM DETAILS / MOUNTING HEIGHTS



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INTERIOR IMPROVEMENTS FOR BOYS TOWN
 3555 COMMONWEALTH BLVD., TALLAHASSEE, FLORIDA

SCHEDULES - DOOR / GLAZING / FINISHES
 MINOR PLUMBING INFORMATION



DATE JAN. 08, 2015

DRAWN BY B.H.

REVISED

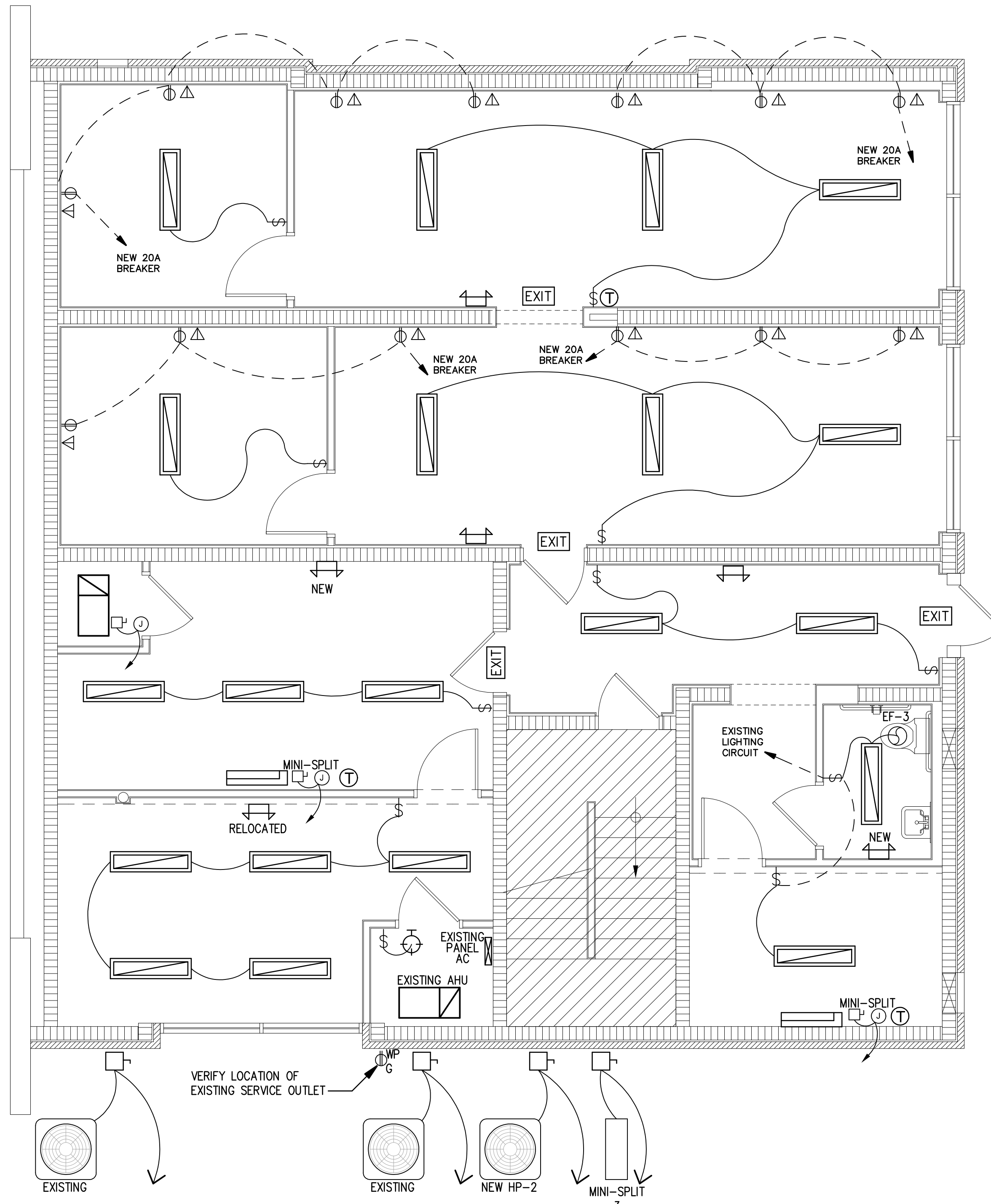
JOB NO. 14-281

DATE SHEET NUMBER A3.0

ELECTRICAL NOTES

- ALL WIRING SHALL BE IN ACCORDANCE WITH THE 2010 EDITION OF THE FLORIDA BUILDING CODE 2011 EDITION OF THE NATIONAL ELECTRICAL CODE, THE 2010 EDITION OF THE FLORIDA FIRE PREVENTION CODE, THE LATEST EDITION OF NFPA 72, NATIONAL FIRE ALARM CODE, AND THE FOLLOWING DESIGN CRITERIA:
- THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING PERMITS FOR THIS CONSTRUCTION AND SCHEDULING APPROPRIATE INSPECTIONS DURING CONSTRUCTION WITH ALL AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL FURNISH OWNER WITH AN INSPECTION CERTIFICATE FROM ALL INSPECTORS HAVING JURISDICTION.
- THE CONTRACTOR SHALL CONTACT THE CITY OF TALLAHASSEE (C.O.T.) ELECTRICAL UTILITY DEPARTMENT PRIOR TO COMMENCING WORK, IN ORDER TO DETERMINE COSTS ASSOCIATED WITH THE ELECTRICAL SERVICE. ALL SUCH COSTS ARE TO BE COVERED BY CONTRACTOR.
- THE CONTRACTOR SHALL BE LICENSED BY THE STATE OF FLORIDA ACCORDING TO FS 489.
- CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITY FOR METERING AND SERVICE CONNECTION REQUIREMENTS PRIOR TO COMMENCING WORK.
- ALL MATERIAL AND EQUIPMENT SHALL BEAR A LABEL OF APPROVAL FROM A NATIONALLY RECOGNIZED ELECTRICAL TESTING LABORATORY.
- ALL WIRE TO BE COPPER, THWN, THHN OR XHHW. MINIMUM WIRE SIZE IS #12 THHN CU UNLESS OTHERWISE NOTED.
- NO CONDUIT IS TO BE INSTALLED ON EXTERIOR OF THE BUILDING.
- ENT OF "SMURF" TUBING, AND M/C CABLE ARE APPROVED WHEN USED AS PER NEC. PERFERED CONDUIT SHALL BE EMT, IMC OR PVC FOR UNDERGROUND AND UNDERSLAB INSTALLATIONS.
- CONDUIT SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BUILDING LINES.
- ELECTRICAL EQUIPMENT AND CONDUIT SHALL BE CONCEALED OR RECESSED AND INSTALLED IN A NEAT AND WORKMANLIKE MANNER.
- ANY CONDUIT PENETRATING THE ROOF OR WALLS SHALL HAVE WATER-TIGHT FLASHING, AND PAINT TO RESTORE PENETRATION TO ORIGINAL CONDITION AND APPEARANCE. ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE WEATHERPROOF.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR TO AVOID CONFLICTS BETWEEN LOCATIONS OF DIFFUSERS AND LIGHTING FIXTURES. COORDINATE WITH OTHER TRADES TO PROVIDE ALL NEEDED ELECTRICAL SERVICE.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE CONTROL WIRING FOR ALL HVAC SYSTEMS. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER SOURCE FOR ALL CONTROL SYSTEMS.
- CONTRACTOR SHALL VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS BEFORE ROUGH IN SWITCHES AND SHALL VERIFY EXACT LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGH-IN.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF COUNTER TOPS, BACKSPLASHES AND EQUIPMENT LOCATION ON ARCHITECTURAL DETAILS AND/OR EQUIPMENT AND CASEWORK SHOP DRAWINGS AND SHALL ADJUST SPECIFIED MOUNTING HEIGHTS OF WALL OUTLETS, RECEPTACLES AT COUNTERS, AND J-BOXES AS REQUIRED TO BEST SERVE EQUIPMENT. VERIFY WIRING REQUIREMENTS TO ALL EQUIPMENT.
- CONTRACTOR SHALL CHECK ALL LIGHTING FIXTURES FOR EXACT TYPE MOUNTING AND SPACE REQUIRED BEFORE ROUGHING IN. SUPPORT OF ALL LIGHTING FIXTURES SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- ALL NEW FLUORESCENT FIXTURES SHALL BE EQUIPPED WITH ENERGY CONSERVING LAMPS AND ELECTRONIC BALLASTS. THD SHALL NOT EXCEED 10 PERCENT.
- EACH PANEL IS TO BE FURNISHED WITH A TYPED DIRECTORY WITH SPECIFIC ROOM NAMES.
- ALL CIRCUIT BREAKERS SERVING HVAC EQUIPMENT SHALL BE HACR RATED. PROVIDE PROPER CLEARANCE SPACE TO COMPLY WITH NEC 110-26.
- KITCHEN RECEPTACLE CIRCUITS IN KITCHENS SHALL HAVE ONLY 2 RECEPTACLES PER 20 AMP CIRCUIT LIGHTING CIRCUITS ARE TO HAVE A MAXIMUM 1500 WATTS CONNECTED LOAD. RECEPTACLE CIRCUITS, OTHER THAN THE KITCHEN RECEPTACLES, ARE TO HAVE A MAXIMUM OF 7 RECEPTACLES PER CIRCUIT.

- ANY DAMAGE TO THE BUILDING OR EQUIPMENT BY ELECTRICAL WORKERS SHALL BE REPAIRED BY WORKERS SKILLED IN THIS TYPE OF WORK AT NO EXPENSE TO THE OWNER.
- EACH PANELBOARD AND DISCONNECTING MEANS SHALL BE MARKED TO INDICATE ITS PURPOSE AND OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED PER NEC 110.22.
- INSTALL PANELBOARD AND DISCONNECTS SO TO PROVIDE A 30" WIDE BY 3-1/2" DEEP CLEAR WORKING SPACE IN FRONT OF THE EQUIPMENT.
- PROVIDE A DISCONNECTING MEANS FOR EACH WATER HEATER PER FPC 504.4
- ALL BRANCH CIRCUIT HOMERUNS OVER 100 FEET SHALL BE #10 THHN CU.
- ALL BOXES TO BE A 4" SQUARE METAL BOX WITH APPROPRIATE RING AND BONDING JUMPER.
- THE MAXIMUM GAP AROUND ANY RECESSED BOX SHALL NOT EXCEED 1/8" AND THE MAXIMUM SETBACK SHALL NOT EXCEED 1/4".
- ALL WIRING DEVICES SHALL BE TERMINATED AT THE SCREW ACCORDING TO WIRE WRAP REQUIREMENTS OF THE NEC. THE PUSH IN TERMINATIONS SHALL NOT BE USED.
- SWITCH BOXES SHALL BE INSTALLED 48" TOP OF BOX AND RECEPTACLE BOXES INSTALLED AT 16" BOTTOM OF BOX.
- EMT CONDUIT SHALL BE SUPPORTED EVERY 10 FEET AND WITHIN 3' OF EACH TERMINATION POINT PER NEC 358.30.
- STAGGER BACK TO BACK WALL BOXES IN ALL WALLS BY AT LEAST ONE STUD.
- PVC CONDUIT SHALL BE AT LEAST 12" UNDER SIDEWALKS AND 24" UNDER PARKING LOTS AND DRIVEWAYS.
- UNDERGROUND SERVICE CONDUCTORS SHALL BE MARKED WITH A WARNING RIBBON AT LEAST 12" ABOVE THE CONDUIT PER NEC 300.5(S).
- ALL ELECTRICAL EQUIPMENT IN VICINITY OF GAS CYLINDERS SHALL BE AT 60" AFF PER NFPA 99
- VOLTAGE DROP SHALL NOT EXCEED 2% AND 5% TOTAL.
- COORDINATE TELEPHONE AND CABLE SERVICE INSTALLATION. INSTALL 2" PVC CONDUIT WITH PULL STRING FOR EACH SERVICE.
- PROVIDE OPERATING AND INSTALLATION INSTRUCTIONS TO THE OWNER FOR ALL INSTALLED EQUIPMENT.
- FS BOXES ARE NOT APPROVED AS A SUPPORT FOR A GRADE MOUNTED LIGHT FIXTURE.
- INSTALL A NEUTRAL TO ALL SWITCH BOXES.
- ALL RECEPTACLES INSTALL OUTSIDE SHALL BE SUNLIGHT RATED.
- CONFIRM MAXIMUM AVAILABLE FAULT CURRENT IS MARKED ON SERVICE EQUIPMENT.
- SEAL ALL INCOMING RACEWAYS IN ACCORDANCE WITH 300.5(G).
- INSTALL BONDING BUSHINGS AND JUMPERS WHERE REDUCING WASHERS ON CONCENTRIC OR ECCENTRIC KNOCKOUTS ARE USED.



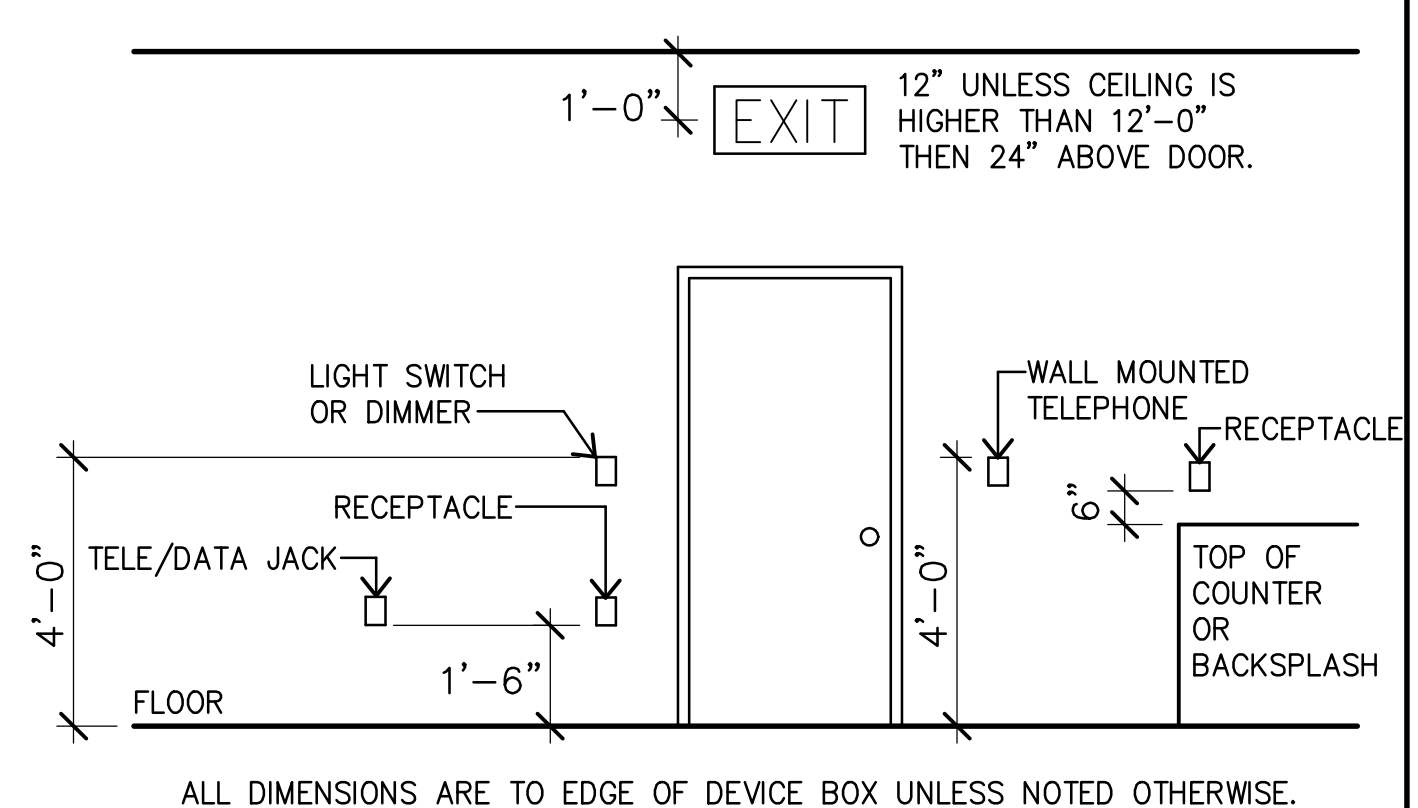
PROPOSED FLOOR PLAN
3555 COMMONWEALTH BLVD. SCALE: 3/16" = 1'-0"

PANEL TYPE	PANEL C	MAIN BREAKER RATING, Amps		SUB FEED BREAKER, Amps			MOUNTING ENCLOSURE		SURFACE	
		100	208/120	N/A	3 PHASE 4 WIRE	LOCATION	NEMA 1	ELEC RM		
		MAINS		LUGS ONLY			FED FROM		MD	
CKT #	BREAKER	LOAD DESCRIPTION	WIRE SIZE	CKT kVA	Load (kVA) A B C	CKT kVA	WIRE SIZE	LOAD DESCRIPTION	BREAKER	CKT #
1	20/1	EXISTING UPSTAIRS						EXISTING UPSTAIRS	20/1	2
3	20/1	EXISTING UPSTAIRS						EXISTING UPSTAIRS	20/1	4
5	20/1	EXISTING UPSTAIRS						EXISTING UPSTAIRS	20/1	6
7	20/1	EXISTING UPSTAIRS						EXISTING UPSTAIRS	20/1	8
9	20/1	EXISTING UPSTAIRS						EXISTING UPSTAIRS	20/1	10
11	20/1	EXISTING EX. LIGHTING						EXISTING UPSTAIRS	20/1	12
13	20/1	EXISTING UPSTAIRS						EXISTING UPSTAIRS	20/1	14
15	20/1	EXISTING UPSTAIRS						EXISTING UPSTAIRS	20/1	16
17	20/1	EXISTING UPSTAIRS						EXISTING UPSTAIRS	20/1	18
19	20/1	MINI-SPLIT 3A						EXISTING UPSTAIRS	20/1	20
21	20/1	MINI-SPLIT 3B						EXISTING UPSTAIRS	20/1	22
23	20/1	MINI-SPLIT CONDENSOR						EXISTING EF-1	20/1	24
25	25/2	AHU-2						EXISTING EF-2	20/1	26
27		WATERHEATER						WATERHEATER	30/2	28
29	30/2	HEAT PUMP								30
31								NEW EF-3 (50CFM)	20/1	32
33	20/1	RECEPT 1						NEW LIGHTING RESTROOM	20/1	34
35	20/1	RECEPT 2						SPARE		36
37	20/1	RECEPT 3						SPARE		38
39	20/1	RECEPT 4						SPARE		40
41		SPARE						SPARE		42

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	TV CABLE OUTLET - SEE FLOOR PLAN FOR INDICATED HEIGHTS
	1X4 FLUORESCENT LIGHT FIXTURE SURFACE MOUNTED
	ILLUMINATED EXIT SIGNAGE, WITH BATTERY BACKUP
	DUPLEX RECEPTACLE - ("WP" - WEATHERPROOF, "G" - ON GFCI CIRCUIT)
	DATA/COMMUNICATIONS RECEPTACLE WITH PULLSTRING ABOVE CEILING.
	ELECTRICAL PANEL - NOT SHOWN - ELECTRICAL ROOM BUILDING CORE
	JUNCTION BOX (LOCATE AS NOTED)
	PROGRAMABLE THERMOSTAT - COORDINATE WITH MECHANICAL CONTRACTOR
	DISCONNECT DEVICE
	ALL SWITCHES SHALL BE OCCUPANCY SENSOR SWITCHES, CONTRACTOR SELECTED OWNER APPROVED.
	EMERGENCY LIGHT WITH BATTERY BACK UP.

MOUNTING DETAILS



CONDUCTOR SIZES

CIRCUIT BREAKER (NOT OVER LISTED AMPS)	WIRE SIZE (COPPER, CU)	MAX AMPS
15	12	12
20	12	16
25	10	20
30	10	24
40	8	32
50	6	40
60	6	48
100	3	80
125	1	100

GROUNDING CONDUCTOR SIZES

CIRCUIT BREAKER (NOT OVER LISTED AMPS)	WIRE SIZE (COPPER, CU)
10 & 15	14
20	12
25, 30, 40, 50, & 60	10
100	8
125, 150, & 200	6
225, 300	4

TBB980009
PREVIOUSLY PERMITTED CALCULATED LOAD = 92,243VA OR 256A ON MAIN MD PANEL ON 600 AMP SERVICE

LOAD CALCULATIONS - PANEL C
 LIGHTING + POWER LOAD 3.5VA/SF = 15500
 HVAC H&C = 10000
 A/C - MINI-SPLIT (COOL ONLY) = 400
 = 25900
 $\frac{124.5 \text{ AMPS}}{208} 25900 \text{ VA} = 124.5 \text{ AMPS} / 1.73 =$
 AMP CALCULATION = **71.9 AMPS**
 71.9A < 100 A = OK

INTERIOR IMPROVEMENTS FOR BOYS TOWN
3555 COMMONWEALTH BLVD., TALLAHASSEE, FLORIDA

ELECTRICAL - POWER & LIGHTING

CONN ARCHITECTS & ASSOCIATES
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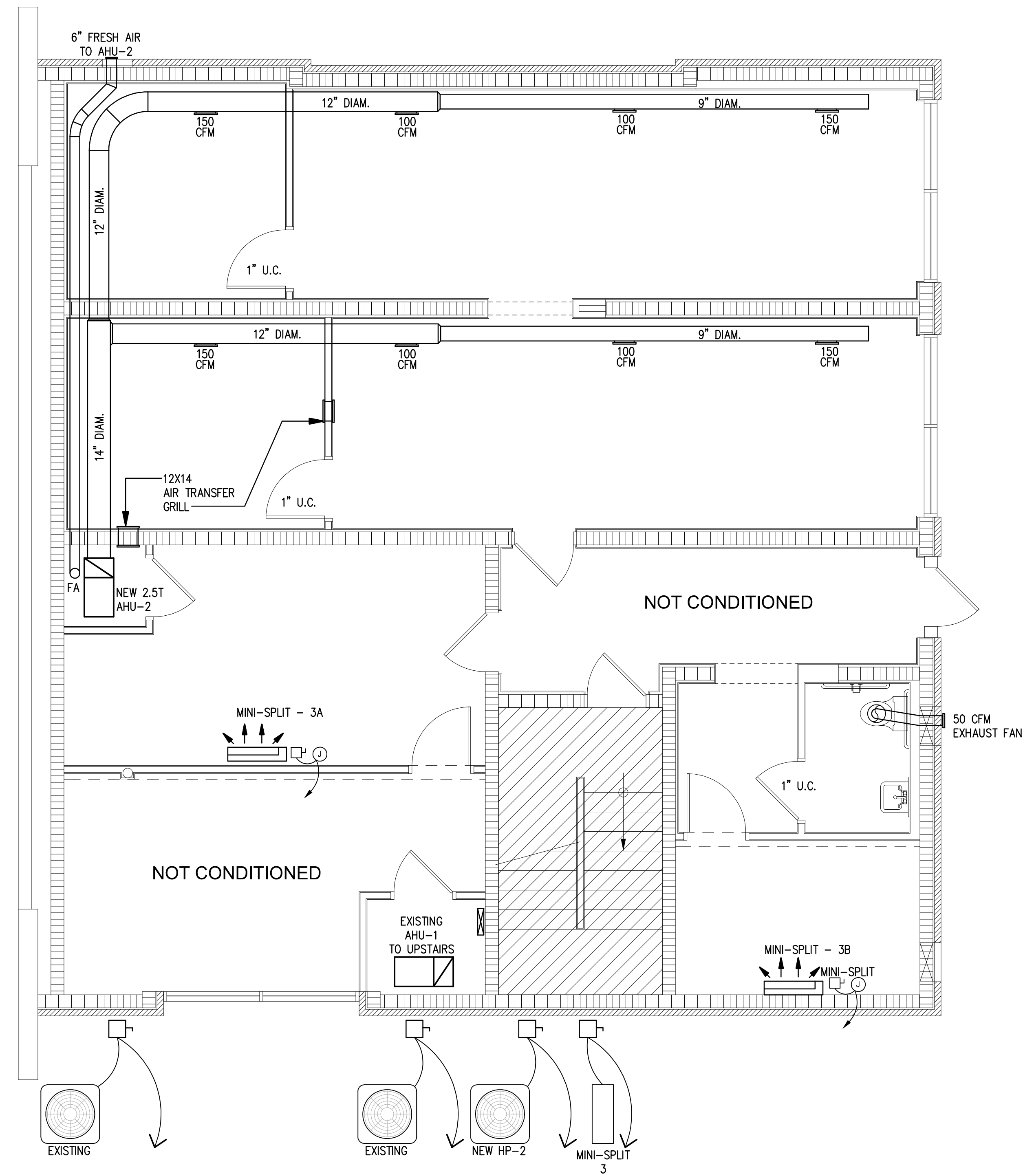
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JOB NO. 14-281

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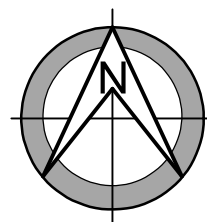
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MECHANICAL LAYOUT

3555 COMMONWEALTH BLVD.

SCALE: 3/16" = 1'-0"



EQUIPMENT SCHEDULE									
TAG	DESCRIPTION	MODEL	LOCATION	TONS	VOLTAGE	MCA	MCB	CFM	HEATING
								NOM AIR	KW
UNIT 2	New Split System	TAM7A0A30	OFFICE ZONE 1	2.5	208/1	25	25	1000	5
UNIT 3A	MINI-SPLIT - A	MITSUBISHI	STORAGE					6000 BTU	
UNIT 3B	MINI-SPLIT - B	MITSUBISHI	FILE					6000 BTU	

1. PROVIDE SECONDARY DRAINPAN FOR EACH AIR HANDLER AND INSTALL MICROSWITCH. PIPE CONDENSATE TO WET WELL.
 2. PROVIDE 24/7 PROGRAMABLE MULTISTAGE THERMOSTAT W/ HUMIDITY SENSING & CONTROL FOR EACH UNIT.
 3. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH.
 4. AHU SHALL HAVE SINGLE POINT ELECTRICAL CONNECTION.
 5. 4TWB3030B 2.5T HEAT PUMP FOR UNIT 2
 6. (1 TOTAL) - 12,000 BTU MITSUBISHI MULTIZONE HEAT PUMP FOR 3A & 3B

FRESH AIR CALCULATIONS

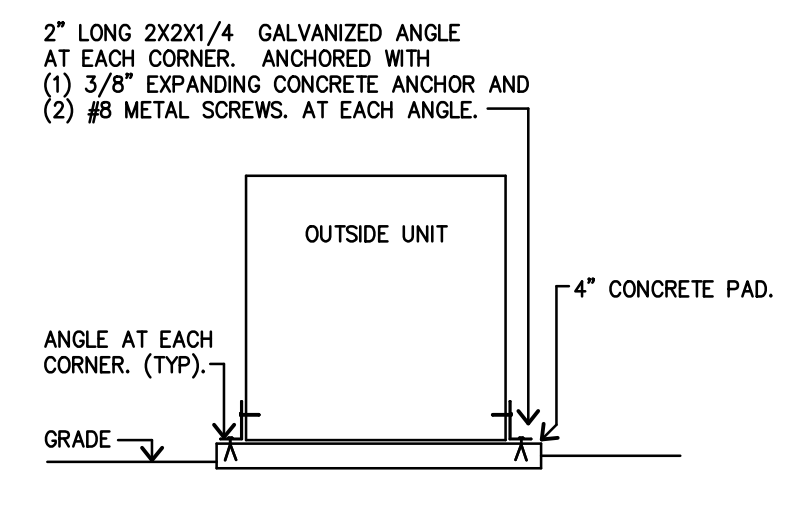
OFFICE OCCUPANT LOAD @ 17 PEOPLE
 OFFICE S.F. @ 1160 S.F.
 17 PEOPLE X 5 CFM PER PERSON = 85 CFM
 1160 S.F. X 0.06 = 69.6 CFM
 85 CFM + 69.6 CFM = 154.6 CFM
 6" FRESH AIR DUCT TO BE PROVIDED

(1)- 50 CFM EXHAUST FAN

MECHANICAL NOTES

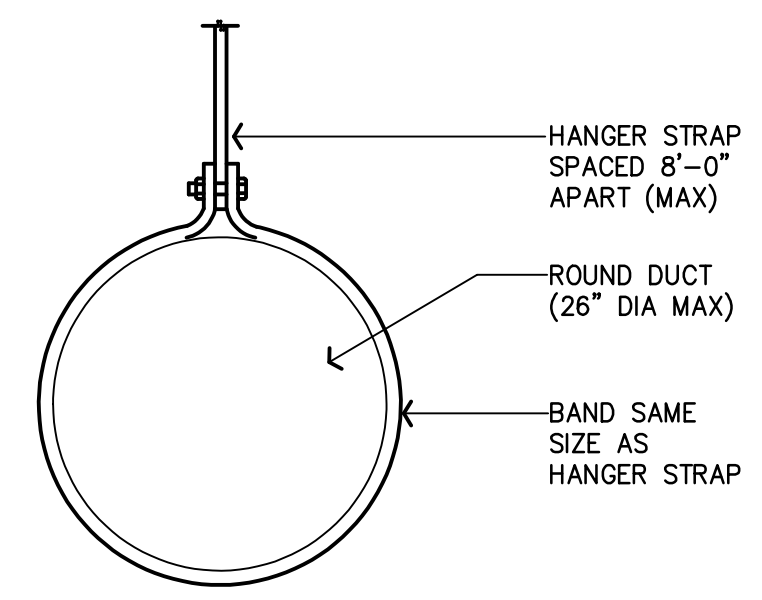
- CONNECTION TO EQUIPMENT SHALL BE VERIFIED WITH MANUFACTURER'S CERTIFIED DRAWINGS. TRANSITIONS TO ALL EQUIPMENT SHALL BE VERIFIED AND PROVIDED FOR ALL EQUIPMENT FURNISHED.
- BEFORE FABRICATION, VERIFY AND COORDINATE ALL DIMENSIONS IN FIELD.
- VERIFY VOLTAGE AND PHASE WITH ELECTRICAL CONTRACTOR BEFORE ORDERING.
- ALL DUCTS SHALL BE GROUNDED ACROSS FLEXIBLE CONNECTIONS.
- PROVIDE ACCESS PANELS FOR ACCESS TO DEFLECTING DEVICES IN DUCT.
- DUCT SIZES AND OPENINGS THRU ROOF SLABS AND WALL PARTITIONS SHALL SUIT EQUIPMENT FURNISHED.
- COORDINATE DIFFUSER AND REGISTER LOCATIONS WITH ELECTRICAL LIGHTING LAYOUT AND ARCHITECTURAL REFLECTED CEILING PLANS.
- DUCTWORK LOCATIONS AND CLEARANCES SHALL BE COORDINATED WITH PLUMBING PLANS.
- LOCATE THERMOSTAT 4'-0" ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED.
- ALL EQUIPMENT, DUCTWORK, ETC. SHALL BE SUPPORTED AS DETAILED. PROVIDE ADDITIONAL SUPPORTS AS REQUIRED TO PROVIDE A VIBRATION-FREE RIGID INSTALLATION.
- INSIDES OF DUCT VISIBLE THROUGH GRILLES, REGISTERS OR DIFFUSERS SHALL BE PAINTED FLAT BLACK.
- ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN DUCT AND PIPING (INCLUDING DIVIDED DUCT) AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- REFER TO TYPICAL DETAILS FOR PIPING AND INSTALLATION OF EQUIPMENT.
- CONDENSATE DRAINS FROM AIR HANDLING UNITS SHALL BE COORDINATED WITH PLUMBING PLANS FOR PROPER DRAINAGE TO SUIT EQUIPMENT FURNISHED.
- ACCESS PANELS IN DUCTWORK AND CEILINGS SHALL BE PROVIDED WHERE REQUIRED FOR OPERATION AND MAINTENANCE OF ALL FANS, DAMPERS, AND MECHANICAL EQUIPMENT.
- ALL PENETRATIONS OF RATED WALLS SHALL BE FIRE STOPPED WITH THE APPROPRIATE SEALANT.
- INSTALL FIRE DAMPERS WITH ACCESS DOORS ACCORDING TO THE MANUFACTURERS INSTALLATION INSTRUCTIONS AND FMC 607.
- ALL HVAC SYSTEMS SHALL BE TESTED AND BALANCED PRIOR TO OCCUPANCY.
- ALL MECHANICAL HVAC SHALL BE INSTALLED PER FLORIDA MECHANICAL CODE.
- INSTALL BACKDRAFT DAMPERS, VOLUME DAMPERS, INSECT SCREENS, AND APPROVED WEATHER PROOF WALL LOUVERS ON ALL OUTSIDE AIR INTAKES AND EXHAUST LOUVERS.
- VERTICAL DUCT SHALL BE SUPPORTED AT LEAST EVERY 6 FEET.
- THE CONTRACTOR SHALL BE LICENSED BY THE STATE OF FLORIDA ACCORDING TO FS 489.
- INSTALLATION SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF THE FLORIDA BUILDING CODE MECHANICAL 2010 AND NFPA 90A AND NFPA 90B
- PROVIDE A UNDERCUT OF EACH BATHROOM DOOR PER NFPAB0 1-11.4 AND NFPA101 18.3.6.3. SIZE ISOLATED AT DOOR SHOWN.
- EACH CONDENSING UNIT SHALL BE UNIQUELY IDENTIFIED AS TO WHICH AREA IT SERVES PER FMC 304.12.
- EACH AIR HANDLER SHALL BE INSTALLED WITH AT LEAST 3" OF CLEARANCE ON ALL SIDES AND WITH 9" OF CLEARANCE ON ONE SIDE PER FMC 306.1.1
- PVC PIPING SHALL BE SUPPORTED EVERY 4' HORIZONTALLY AND COPPER TUBING EVERY 10'.
- EACH AIR HANDLER SHALL BE PROVIDED WITH A DRAIN PER FMC 307 AND INSTALLED DETECTOR. CONDENSATE PIPING SHALL BE 1" PVC AND INSULATED SHOULD TERMINATE WITH A 1-1/2" AIR GAP.
- DUCT CONSTRUCTION SHALL BE ACCORDING TO SMACNA STANDARDS AND FMC 603.
- FLEXIBLE DUCT SHALL BE SUPPORTED EVERY 5 FEET WITH LESS THAN SAG PER FOOT BY A MINIMUM 1.5 WIDE SUPPORT.
- LOUVRES SHALL BE IMPACT RATED AS PER FBC 1609.1.7.1

DUCT SIZES SHOWN REPRESENT REQUIRED SIZE NEEDED FOR AIR FLOW. ALTERNATE SIZED DUCTS THAT ALLOW THE SAME AIR FLOW WILL BE ALLOWED. MECHANICAL CONTRACTOR TO VERIFY ALL DUCT SIZES PRIOR TO COMMENCEMENT OF WORK AND SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.



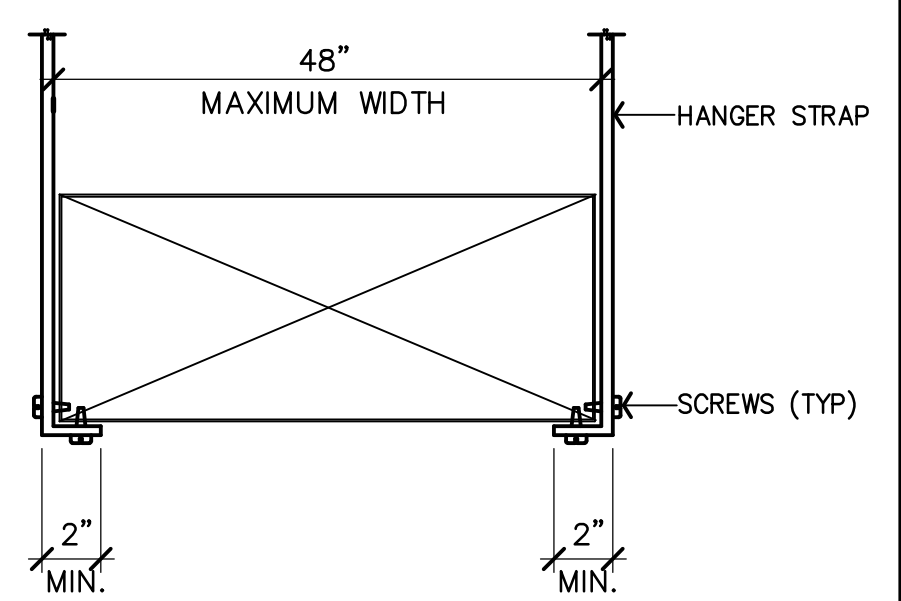
MOUNTING DETAILS

NOT TO SCALE



NOTES:

- FOR ROUND DUCTS 18" DIA OR LESS, HANGER STRAPS SHALL BE 1"x22 GAGE STEEL.
- FOR ROUND DUCTS 20" DIA OR MORE, HANGER STRAPS SHALL BE 1"x16 GAGE STEEL.
- FOR RECTANGULAR DUCTS UP TO 48" WIDE, HANGER STRAPS SHALL BE 1-1/2"x16 GAGE STEEL BE 1-1/2"x16 GAGE STEEL TURNED UNDER DUCT AT LEAST 2" AND FASTENED TO THE BOTTOM AND SIDES.
- FOR RECTANGULAR DUCTS OVER 48" WIDE USE TRAPEZOID HANGERS.



DUCTWORK - HANGERS

AT DUCTWORK NOT TO SCALE

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INTERIOR IMPROVEMENTS FOR BOYS TOWN
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MECHANICAL - LAYOUT & DETAILS