1. ALL WORK SHALL BE PERFORMED IN STRICT CONFORMANCE WITH ALL LAWS, THE A.D.A., ALL CODES, ORDINANCES, RULES AND REGULATIONS OF ALL GOVERNING AUTHORITIES HAVING JURISDICTION.

2. THE CONTRACTOR FOR THE PROJECT SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS.

3. BEFORE COMMENCEMENT OF THE WORK. THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS WITH THE CONTRACT DOCUMENTS. ANY DEVIATIONS, DISCREPANCIES, AND/OR CONFLICTS SHALL BE REPORTED THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY QUESTION OR CLARIFICATION REGARDING "BUILDING STANDARD" CONSTRUCTION OR MATERIALS SHALL BE DIRECTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION. SHOULD THE CONTRACTOR PROCEED WITHOUT CONTACTING THE ARCHITECT, THE CONTRACTOR MAY, AT NO COST TO THE OWNER, TENANT, THE ARCHITECT, OR THE LIKE, BE REQUIRED TO REPAIR, REPLACE AND CORRECT ANY AND ALL DEFECTS AND PROBLEMS ARISING DUE TO HIS PROCEEDING WITHOUT CONTACT, CLARIFICATION AND/OR RECOMMENDATION.

4. DO NOT SCALE DRAWINGS: DIMENSIONS GOVERN, LARGE SCALE DETAILS GOVERN OVER SMALL SCALE. A. DRYWALL PARTITIONS ARE DIMENSIONED FROM FACE OF STUD TO FACE OF STUD, UNLESS OTHERWISE NOTED ON PLANS (IE., "FINISH"

- OR "CLEAR").
- B. MASONRY UNITS ARE DIMENSIONED TO ROUGH WALL SURFACE. C. GLASS SIZES SHOWN ON DRAWINGS ARE NOMINAL. ACTUAL SIZES MAY BE SMALLER. VERIFY WINDOWS AND ROUGH OPENINGS WITH MANUFACTURER PRIOR TO CONSTRUCTION.

5. THE PRESENCE OF THE ARCHITECT OR OWNER'S REPRESENTATIVE ON THE JOB SITE DOES NOT IMPLY CONCURRENCE WITH OR APPROVAL OF THE WORK.

6. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, CONSTRUCTION TECHNIQUES SHALL CONFORM TO ACCEPTED CONSTRUCTION INDUSTRY PRACTICE AND GOVERNING REGULATORY STANDARDS. CONTRACTOR SHALL THOROUGHLY REVIEW THE DRAWINGS AND FIELD CONDITIONS AND NOTIFY THE ARCHITECT OF ANY ERRORS OR CONFLICT BEFORE COMMENCING THE WORK.

7. DIMENSIONS ARE TOP OF FINISH FLOOR, FACE OF CONCRETE OR MASONRY EXCEPT AS OTHERWISE NOTED. DO NOT SCALE DRAWINGS. INTERIOR FRAME WALLS ARE 3-5/8" THICK UNLESS OTHERWISE INDICATED. GYPSUM BOARD SHEATHING IS 5/8" THICK UNLESS OTHERWISE NOTED. ROUGH DOOR JAMB OFFSETS ARE 4" UNLESS OTHERWISE NOTED. ANGLES WHICH APPEAR TO BE 45 DEGREES ARE SO, UNLESS OTHERWISE INDICATED. ITEMS WHICH APPEAR TO BE CENTERED ARE SO. UNLESS OTHERWISE INDICATED.

8. FIXTURES, EQUIPMENT, MILLWORK, HARDWARE, FINISHES WHICH ARE NOT FULLY SPECIFIED IN THE DRAWINGS SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL PRIOR TO THEIR ACQUISITION AND INSTALLATION.

NOTE: THE DRAWINGS ARE FOR THE SOLE USE OF THIS PROJECT EXCLUSIVELY. ANY MEANS TO REPRODUCE, DUPLICATE ANY PORTION, ENABLE DISCLOSURE. OR OTHER USE FOR WHICH IT IS INTENDED TO REPRESENT IS PROHIBITED WITHOUT EXPRESS WRITTEN CONSENT BY THE OWNER.

INTERIOR PARTITION CLEAR SPAN LIMITS	
ANVINUM ALL OWARD F OF FAR ORAN UPPOUT IN FEFT FOR MONT OAR READING	

MAXIMUM ALLOWABLE CLEAR SPAN HEIGHT IN FEET FOR NON-LOAD BEARING INTERIOR PARTITIONS:

DESIGN CRITERIA: INTERIOR HORIZONTAL DESIGN LOAD PER BUILDING CODE: 5 PSF WITH ALLOWABLE DEFLECTION OF L/360.

RUNNER TRACK GAUGE TO MATCH STUD GAUGE. TOP DEFLECTION TRACK GAUGE TO MATCH STUD GAUGE FOR 14 THRU 18 GA, BUT NOT LESS THAN 18

GAUGE FOR 20	GA STUDS	
		0.4

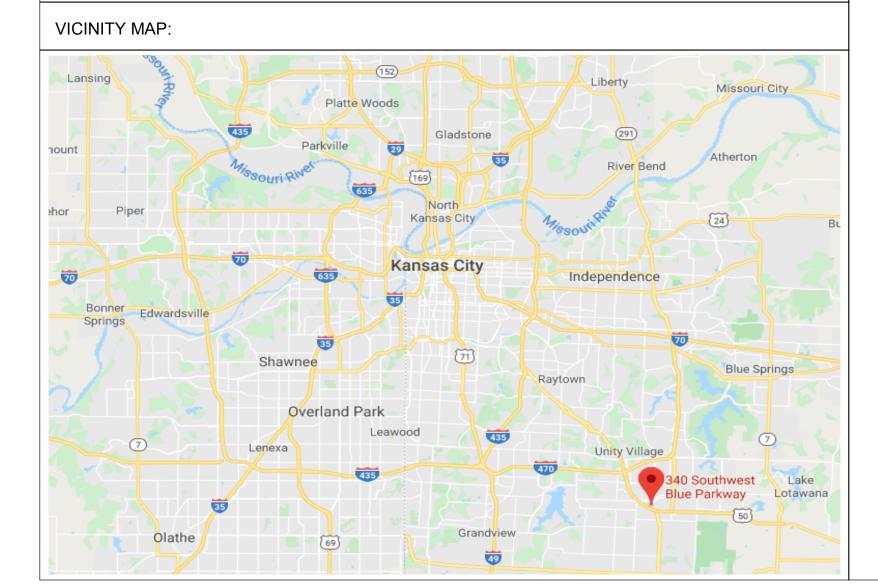
GAUGE FOR 20 GA STUDS			
STUD SIZE, FLANGE WIDTH, GAUGE	Fy	SPACING	5 PSF
(TRANSLATION TO OLD NOMENCLATURE)	(KSI)	(O.C.)	L/360
600S125-68 (6", 1-1/4" -14 GA)	50	12	28'-10"
600S125-68 (6", 1-1/4" -14 GA)	50	16	26'-2"
600S125-54 (6", 1-1/4" -16 GA)	50	12	26'-10"
600S125-54 (6", 1-1/4" -16 GA)	50	16	24'-5"
600S125-43 (6", 1-1/4" -18 GA)	33	12	25'-1"
600S125-43 (6", 1-1/4" -18 GA)	33	16	22'-10"
600S125-33 (6", 1-1/4" -20 GA)	33	12	22'-10"
600S125-33 (6", 1-1/4" -20 GA)	33	16	20'-9"
600S125-30 (6", 1-1/4" -20 GA)	33	12	22'-0"
600S125-30 (6", 1-1/4" -20 GA)	33	16	20'-0"
362S125-68 (3-5/8", 1-1/4" -14 GA)	50	12	19'-2"
362S125-68 (3-5/8", 1-1/4" -14 GA)	50	16	17'-5"
362S125-54 (3-5/8", 1-1/4" -16 GA)	50	12	17'-11"
362S125-54 (3-5/8", 1-1/4" -16 GA)	50	16	16'-3"
362S125-43 (3-5/8", 1-1/4" -18 GA)	33	12	16'-9"
362S125-43 (3-5/8", 1-1/4" -18 GA)	33	16	15'-3"
362S125-33 (3-5/8", 1-1/4" -20 GA)	33	12	15'-4"
362S125-33 (3-5/8", 1-1/4" -20 GA)	33	16	14'-0"
362S125-30 (3-5/8", 1-1/4" -20 GA)	33	12	14'-10"
362S125-30 (3-5/8", 1-1/4" -20 GA)	33	16	13'-6"

NOTES:

1. CLEAR SPAN HEIGHTS ARE FROM "INTERIOR WALL LIMITING HEIGHTS NON-COMPOSITE" TABLES IN THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) PRODUCT TECHNICAL GUIDE 2012 AND ARE PROVIDED AS A GENERAL GUIDELINE. VERIFY MAXIMUM ALLOWABLE CLEAR SPAN HEIGHTS WITH METAL STUD MANUFACTURER.

STUD GAUGE AND O.C. SPACING SHALL BE SELECTED ACCORDING TO 2. THIS CLEAR SPAN HEIGHT SCHEDULE U.N.O.

HORIZONTAL BRIDGING IS NOT REQUIRED WHEN GYPSUM WALLBOARD IS INSTALLED FULL HEIGHT ON BOTH SIDES OF PARTITION, BUT HORIZONTAL BRIDGING IS STILL REQUIRED AT 1'-0" BELOW DEFLECTION TRACK IF SLIP CLIPS AT DEFLECTION TRACK ARE NOT PROVIDED.



### CODE ANALYSIS:

### PROJECT DESCRIPTION:

IMPROVEMENTS TO SUPPORT THE NEW USE.

BUILDING CODE ANALYSIS:

APPLICABLE CODES	
2018 INTERNATIONAL BUILDING CODE	
2018 INTERNATIONAL PLUMBING CODE	
2018 INTERNATIONAL MECHANICAL CODE	
2018 INTERNATIONAL FUEL GAS CODE	
2018 INTERNATIONAL FIRE CODE	
2018 INTERNATIONAL ENERGY CONSERVE	ľ
2017 NATIONAL ELECTRICAL CODE	
2017 ACCESSIBILE AND USABLE BUILDING	ŝ

 $\nearrow$ USE GROUP: SHELL BUILDING CONSTRUCTION TYPE: TENANT IMPROVEMENT CONSTRUCTION TYPE: CLASSIFICATION OF WORK:

OCCUPANT CONTENT: EGRESS WIDTH:

(# OF PERSONS X .15" PER PERSON = WIDTH TOTAL EGRESS WIDTH REQUIRED = 4.05

TOTAL EGRESS WIDTH PROVIDED =72" IBC 1006.2.1.1REQUIRED NUMERS OF EXITS:

MAX. EXIT ACCESS TRAVEL DISTANCE: GROUP B= 75'

SPRINKLERED: NO IBC TABLE 2902.1

**CLASSIFICATION** 

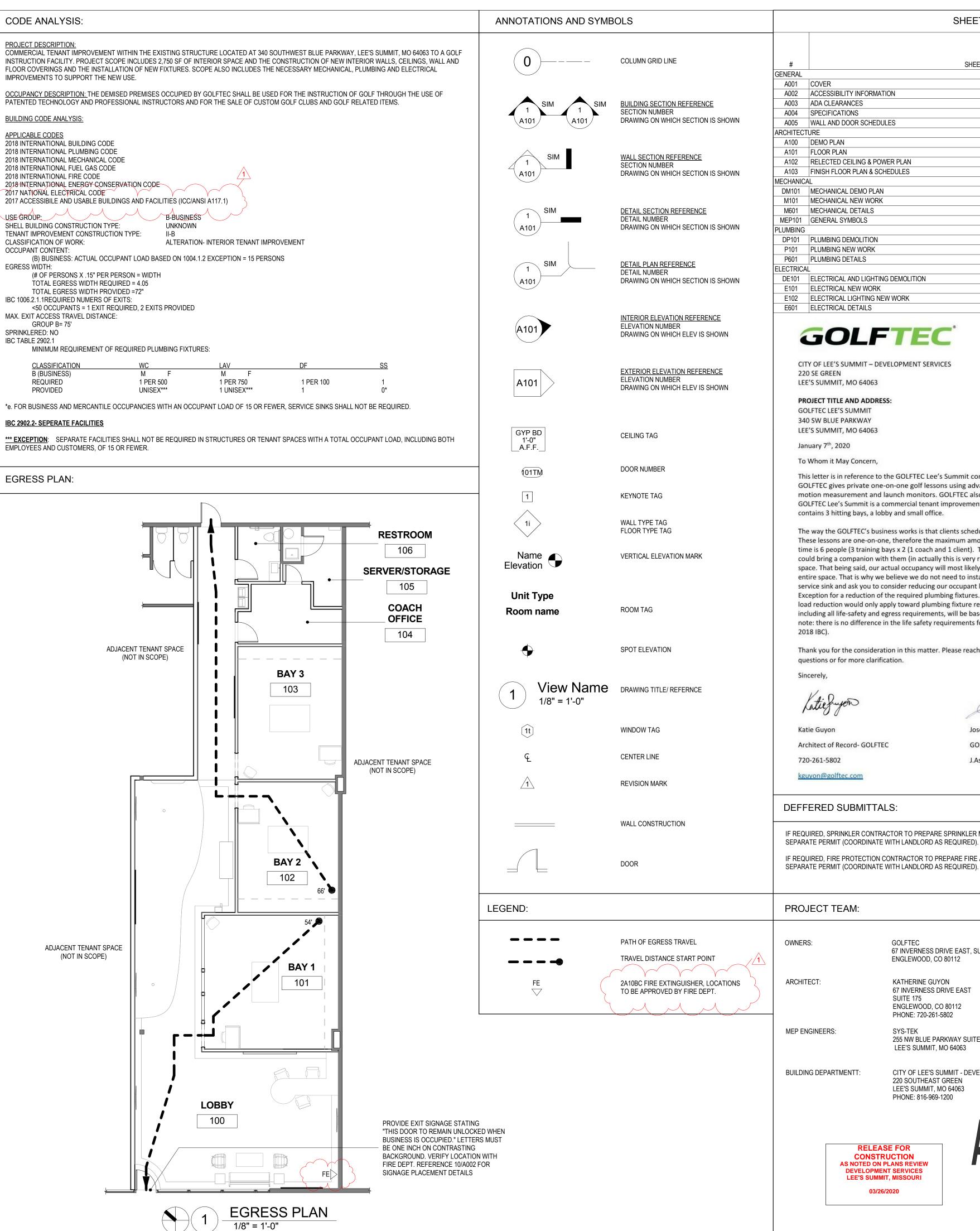
B (BUSINESS)	
REQUIRED	
PROVIDED	

IBC 2902.2- SEPERATE FACILITIES

EMPLOYEES AND CUSTOMERS, OF 15 OR FEWER.

EGRESS PLAN:

ADJACENT TENANT SPACE (NOT IN SCOPE)



SHEET INDEX		
	FOR PERMIT	
SHEET TITLE	년 	
-		
COVER	•	
ACCESSIBILITY INFORMATION	•	
ADA CLEARANCES	•	
SPECIFICATIONS	•	
WALL AND DOOR SCHEDULES	•	
CTURE		
DEMO PLAN	•	
FLOOR PLAN	•	
RELECTED CEILING & POWER PLAN	•	
FINISH FLOOR PLAN & SCHEDULES	•	
CAL		
MECHANICAL DEMO PLAN	•	
MECHANICAL NEW WORK	•	
MECHANICAL DETAILS	•	
GENERAL SYMBOLS	•	
G		
PLUMBING DEMOLITION	•	
PLUMBING NEW WORK	•	
PLUMBING DETAILS		
ELECTRICAL AND LIGHTING DEMOLITION	•	
ELECTRICAL NEW WORK	•	
ELECTRICAL LIGHTING NEW WORK	•	
ELECTRICAL DETAILS	•	

This letter is in reference to the GOLFTEC Lee's Summit commercial tenant improvement project. GOLFTEC gives private one-on-one golf lessons using advanced technology including video analysis, motion measurement and launch monitors. GOLFTEC also provides custom club fitting services. GOLFTEC Lee's Summit is a commercial tenant improvement to a golf instruction facility. The facility

The way the GOLFTEC's business works is that clients schedule individual lessons with our staff coaches. These lessons are one-on-one, therefore the maximum amount of people in the training bays at one time is 6 people (3 training bays x 2 (1 coach and 1 client). There is also the possibility that each client could bring a companion with them (in actually this is very rare), adding 4-5 other occupants to the space. That being said, our actual occupancy will most likely never exceed 11 people at one time in the entire space. That is why we believe we do not need to install separate male and female restrooms or a service sink and ask you to consider reducing our occupant load to 15 persons per IBC Section 1004.1.2 Exception for a reduction of the required plumbing fixtures. It is clearly understood that the occupant load reduction would only apply toward plumbing fixture reduction. All other code requirements, including all life-safety and egress requirements, will be based on the full 25 persons occupant load (to note: there is no difference in the life safety requirements for 15 to 28 occupants in the B occupancy per

Thank you for the consideration in this matter. Please reach out to the undersigned with any additional

for Joseph L. Assell GOLFTEC CEO J.Assell@Golftec.com

IF REQUIRED. SPRINKLER CONTRACTOR TO PREPARE SPRINKLER MODIFICATION DRAWINGS AND SUBMIT FOR REVIEW UNDER SEPARATE PERMIT (COORDINATE WITH LANDLORD AS REQUIRED). IF REQUIRED, FIRE PROTECTION CONTRACTOR TO PREPARE FIRE ALARM MODIFICATION DRAWINGS AND SUBMIT FOR REVIEW UNDER

ERS:	GOLFTEC 67 INVERNESS DRIVE EAST, SUITE 175 ENGLEWOOD, CO 80112
HITECT:	KATHERINE GUYON 67 INVERNESS DRIVE EAST SUITE 175 ENGLEWOOD, CO 80112 PHONE: 720-261-5802
ENGINEERS:	SYS-TEK 255 NW BLUE PARKWAY SUITE 101, LEE'S SUMMIT, MO 64063
DING DEPARTMENTT:	CITY OF LEE'S SUMMIT - DEVELOPMENT SERVICES 220 SOUTHEAST GREEN

**APPROVED** 



GOLFTEC LEE'S SUMMI

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**EMEI** 

C Ň M Ω INTERIO Date: Issue: 02-03-2020 FOR PERMIT 02-06-2020 RESPONSE TO BUILDING COMMENTS

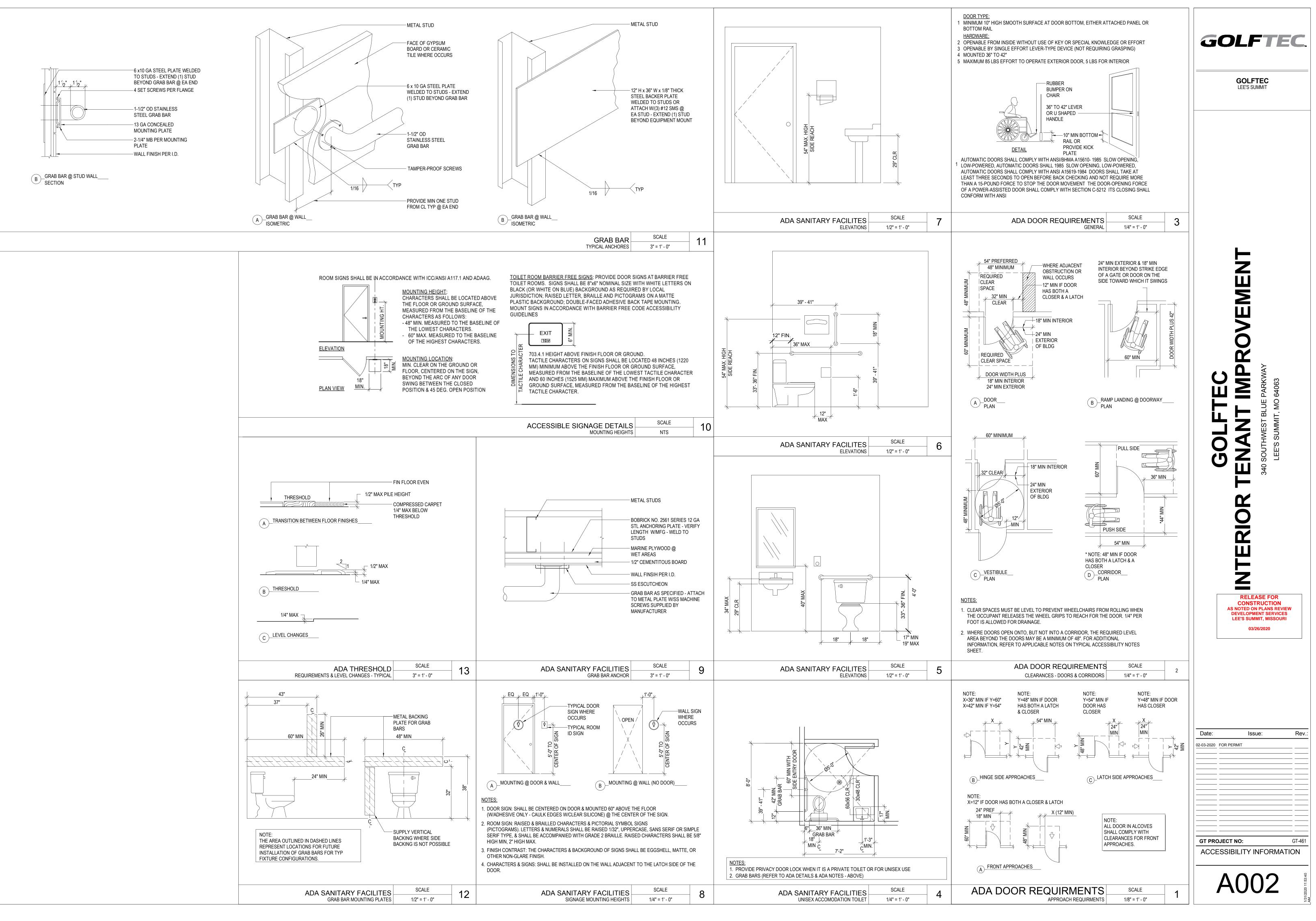
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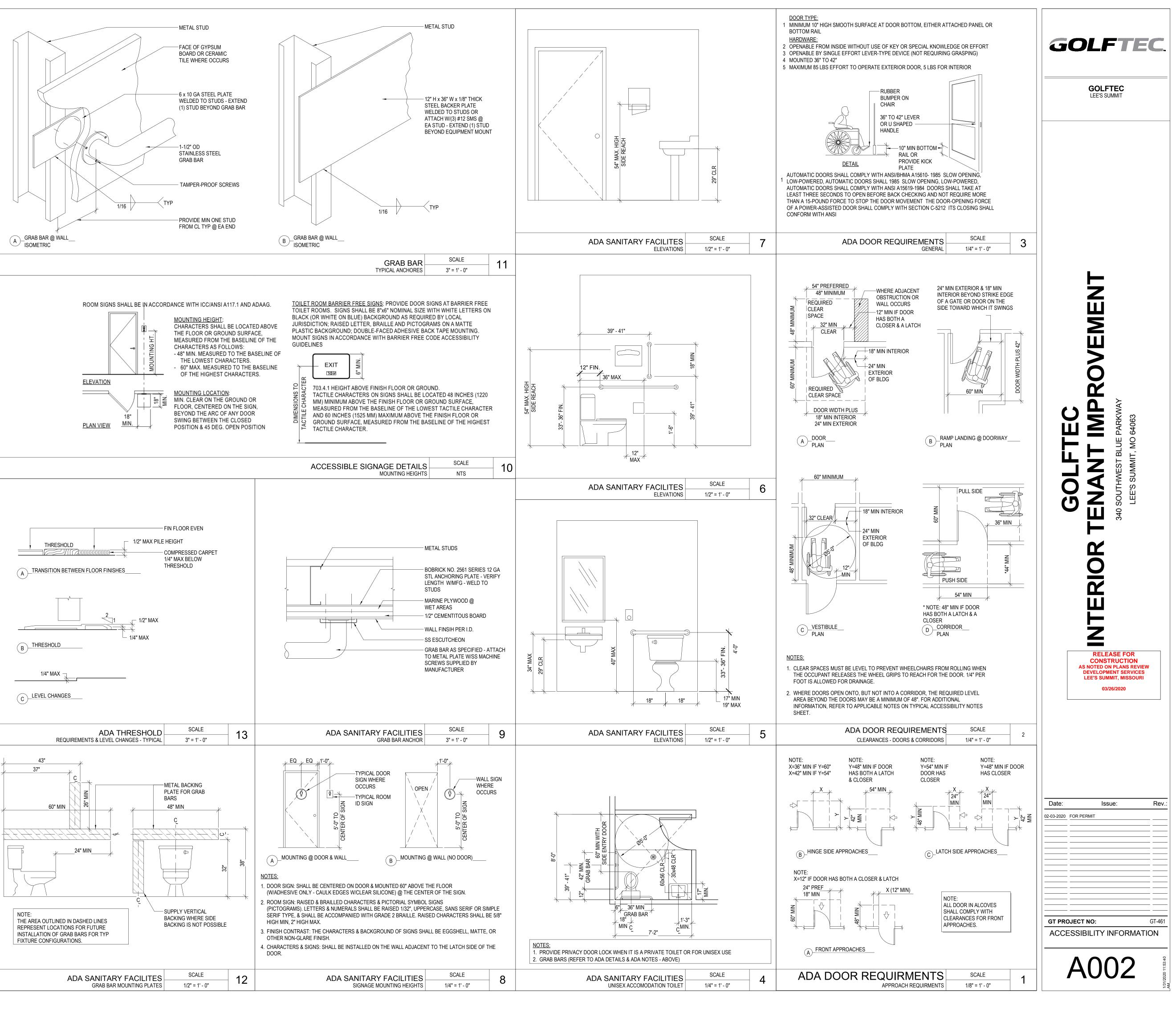
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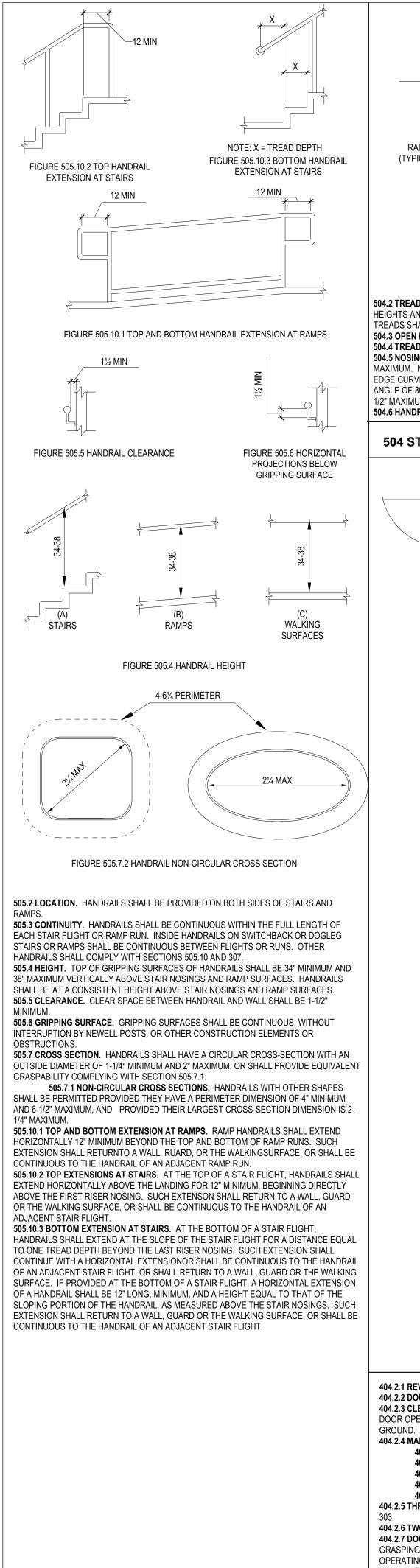
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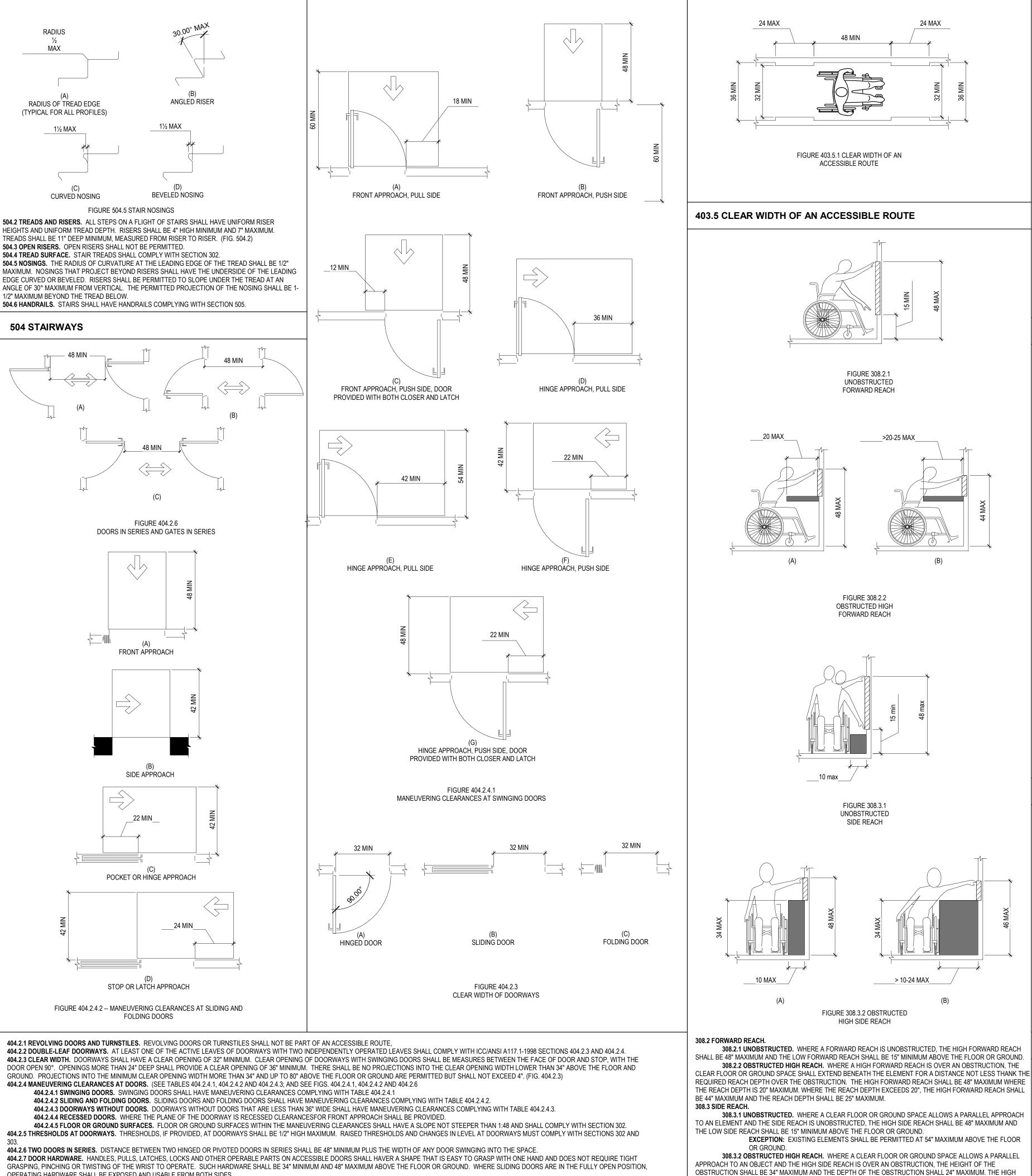
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Rev.:



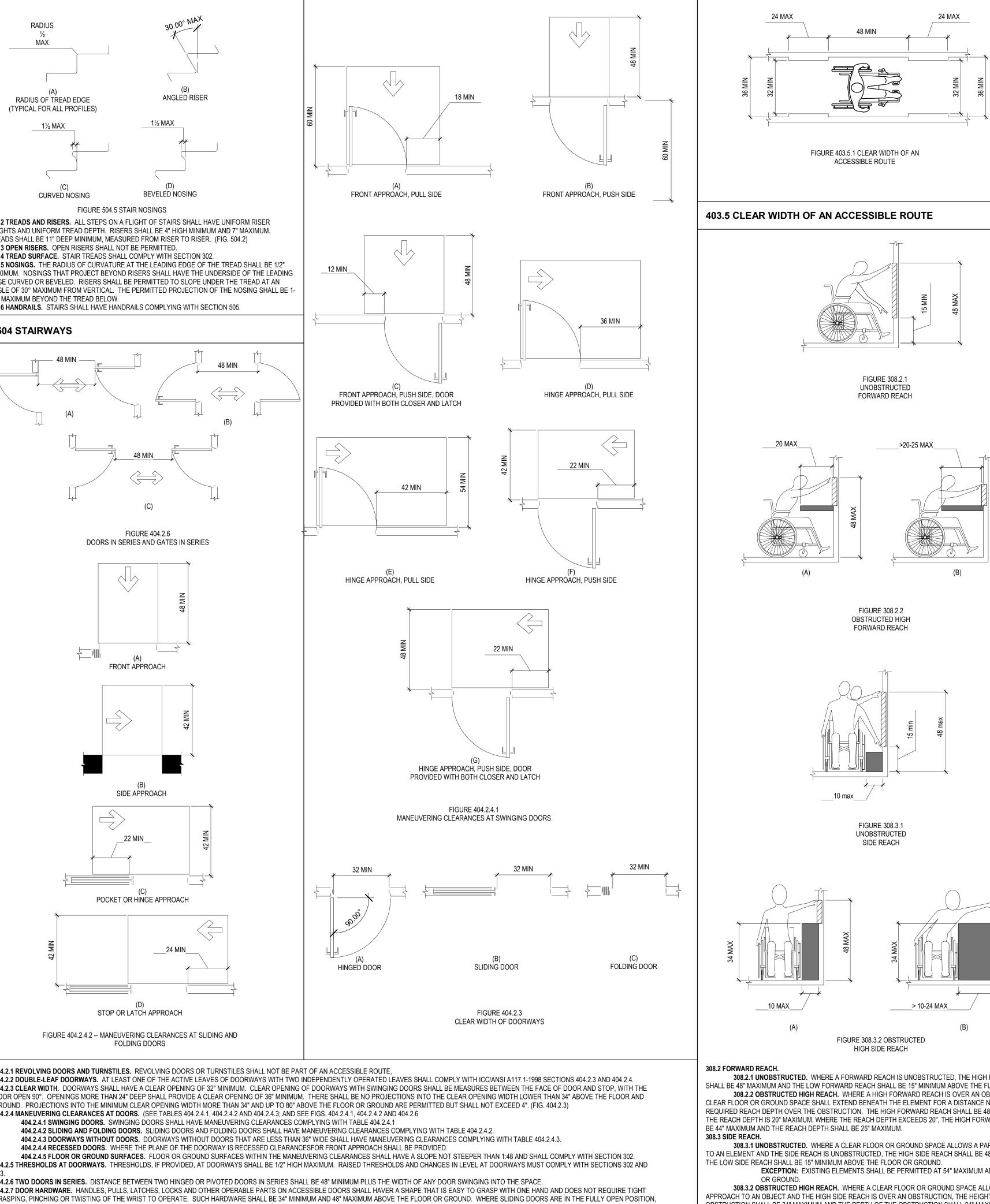


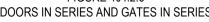


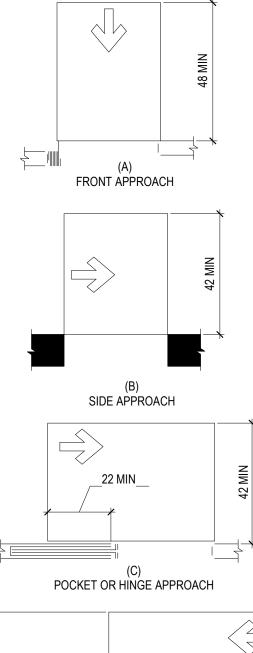


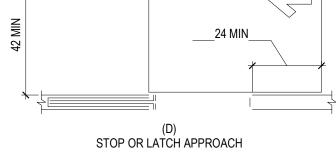
TREADS SHALL BE 11" DEEP MINIMUM, MEASURED FROM RISER TO RISER. (FIG. 504.2) 504.3 OPEN RISERS. OPEN RISERS SHALL NOT BE PERMITTED 504.4 TREAD SURFACE. STAIR TREADS SHALL COMPLY WITH SECTION 302. 504.5 NOSINGS. THE RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL BE 1/2" MAXIMUM. NOSINGS THAT PROJECT BEYOND RISERS SHALL HAVE THE UNDERSIDE OF THE LEADING EDGE CURVED OR BEVELED. RISERS SHALL BE PERMITTED TO SLOPE UNDER THE TREAD AT AN

**504 STAIRWAYS** 





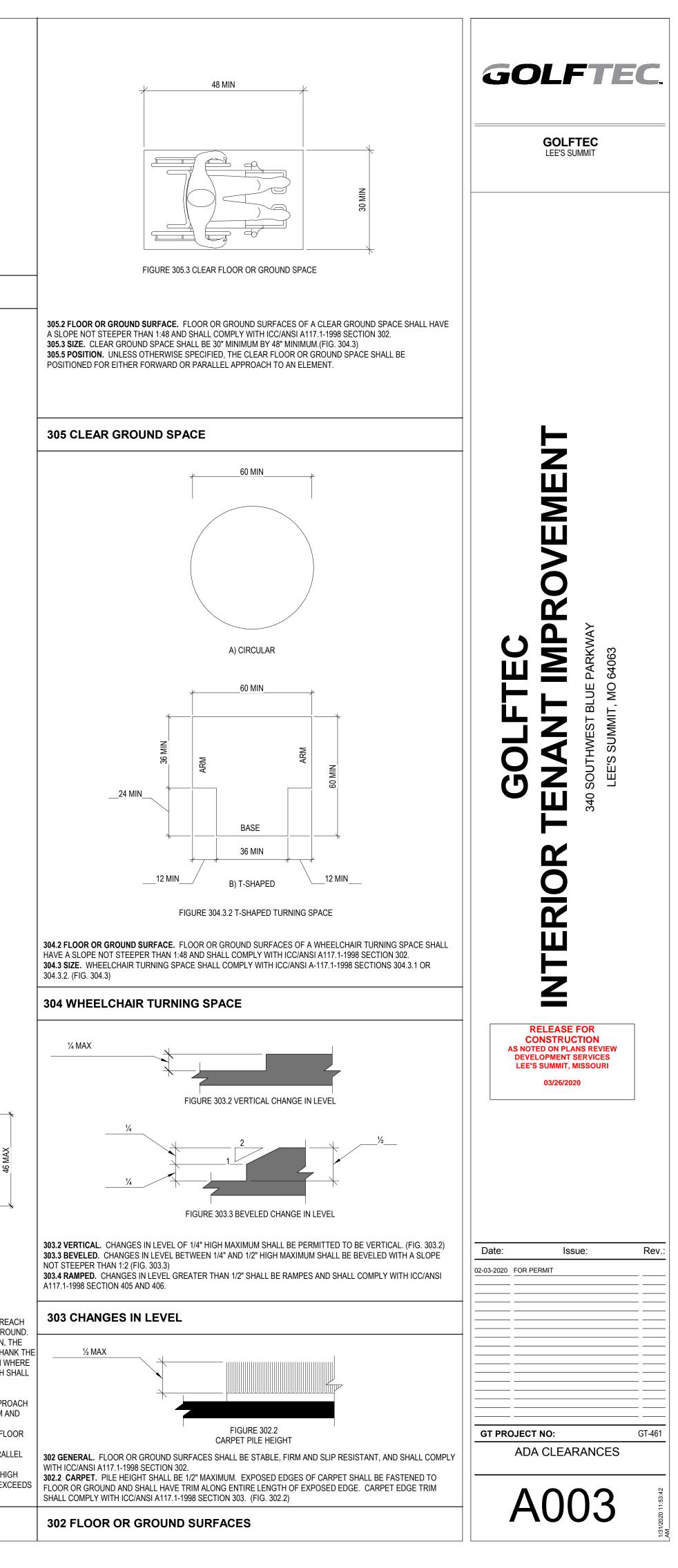




OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. EXCEPTION: LOCKS USED ONLY FOR SECURITY PURPOSES AND NOT USED FOR NORMAL OPERATION ARE PERMITTED IN ANY LOCATION.

**308 REACH RANGES** 

10", THE HIGH SIDE REACH SHALL BE 46" MAXIMUM FOR A REACH DEPTH OF 24" MAXIMUM.



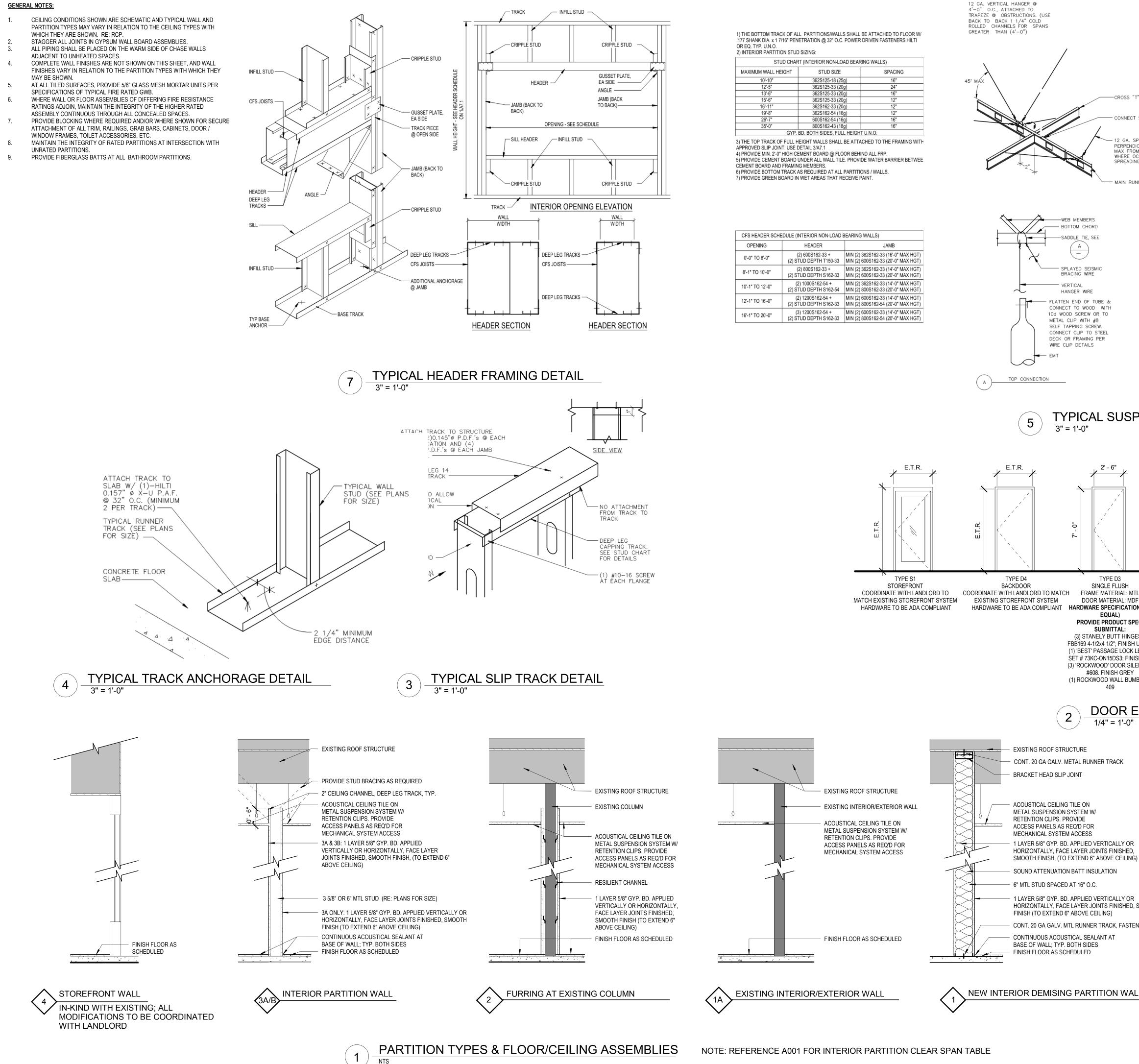
SIDE REACH SHALL BE 48" MAXIMUM FOR A REACH DEPTH OF 10" MAXIMUM. WHERE THE REACH DEPTH EXCEEDS

DIVISION 01 - GENERAL REQUIREMENTS	DIVISION 07 - THERMAL & MOISTURE PROTECTION	C. RESILIENT FLOOR:					
SUMMARY OF WORK	ACOUSTICAL INSULATION:	1. VINYL FLOOR TILE: THE SHOWN ON THE DRAWING	GS. DIRECTION OF INSTAI	ISTALL OWNER PROVIDED VINYL LU	ENTED ON DRAWINGS.		
CONSTRUCTION DRAWINGS: CONSTRUCTION DRAWING SHALL NOT BE SCALED IN ORDER TO DETERMINE LOCATIONS OF ITEMS OF CONSTRUCTION. LARGER SCALE DETAILS TAKE PRECEDENCE OVER NON-DIMENSIONED DETAILS.	A. INTERIOR SOUND ATTENUATION (FIBERGLASS BATTS): PROVIDE UNFACED BATS FOR INTERIOR SOUND ATTENUATION PURPOSES AT WALL, CEILINGS AND OTHER LOCATION WHERE SHOWN OR SCHEDULE ON THE DRAWINGS, ASTM C665, TYPE 1, CLASS A.	CRITICAL RADIANT FLUX C	CLASS1 - 0.45 OR MORE V	VINYL WALL BASE 1/8" GAUGE, 4" HI0 WATTS/CM, ASTM E622 SMOKE DEVE ROVIDED TRANSITION STRIPS AS RE	ELOPED 450 OR LESS.		
THE WORD 'FURNISH' IS USED TO MEAN 'SUPPLY' COMPLETE WITH ALL ESSENTIAL ACCESSORIES SO THAT THE WORK WHEN INSTALLED FUNCTION FOR ITS INTENDED USE, AND DELIVERY TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS.	1. THICKNESS:TO NOMINALLY FILL CAVITY OR AS NOTED ON DRAWINGS2. NOISE REDUCTION COEFFICIENT, ASTM C423 (2 INCH SAMPLES)13. FLAME SPREAD, ASTM E84:25	FLOOR MATERIALS. 4. CONCRETE SLAB: VERIF VARIATION FROM I EVEL	IFY THAT CONCRETE SLA	B IS SMOOTH, LEVEL AND WITH NO	MORE THAN 1/8" IN 10'-0"		
THE WORD 'INSTALL' IS USED TO DESCRIBE OPERATIONS AT THE PROJECT SITE INCLUDING THE UNLOADING, UNPACKING ASSEMBLY, ERECTING, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, CONNECTING PROTECTING, CLEANING AND	4. SMOKE DEVELOPED, ASTM E84: 50	5. PROVIDE CONCRETE SL MANUFACTURER.		IVES AS RECOMMENDED BY THE PR			
SIMILAR OPERATIONS NECESSARY FOR THE WORK TO FUNCTION FOR ITS INTENDED USE. THE WORD 'PROVIDE' MEANS 'FURNISH AND INSTALL', AS DEFINED ABOVE, COMPLETE IN-PLACE AND READY FOR INTENDED USE. THE WORD 'PROVIDE' THUS REQUIRES INCLUSION OF ALL ACCESSORIES, ATTACHMENTS, SUPPORT SAND SERVICES NECESSARY TO COMPLY WITH THIS DEFINITION, WHETHER OR NOT SPECIFICALLY IDENTIFIES OR DESCRIBED IN THE CONSTRUCTION DOCUMENTS	BUILDING INSULATION (WHERE REQUIRED):         A.       FIBERGLASS BATT INSULATION: PROVIDE 3 1/2" THICK (R-11) AND 6" (R-19) FIBERGALL FOI/CRIM FACED (FSK OR FRK) WITH SURFACE BURNING CHARACTERISTICS OF 25/20 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84, PRODUCTS BY CERTAIN TEED CORP, OWENS CORNING, JOHN MANVILLE OR KNAUF FIBER GLASS.	SLAB SURFACE FROM AS RECOMMENDED ALLOWAE	SAS-FOUND CONDITION T BLE DEVIATION FROM PL	PATCHING AND LEVELING SO AS TO O WITHIN THE FLOORING PRODUCT ANE. NUFACTURER'S RECOMMENDATION	T MANUFACTURERS		
PERMIT SUBMISSIONS, REVIEWS, APPROVALS & FEES: <u>PERMIT SUBMISSIONS BY CONTRACTOR</u> : THE CONTRACTOR SHALL SUBMIT THE APPLICATION FOR THE BUILDING PERMIT SUBMISSION,	SEALANTS AND CAULKING A. SLNT-3: TWO-COMPONENT SELF-LEVELING URETHANE, ASTM C920, TYPE M, GRADE P, CLASS 25, USE T; MULTI-COMPONENT,			SLAB TESTING & TREATMENT TO E			
AND SHALL INCLUDE ALL ARCHITECT/ENGINNER SIGNED/SEALED CONSTRUCTION DRAWINGS AND OTHER REQUIRED DOCUMENTS. THE CONTRACTOR WILL COORDINATE WITH THE ARCHITECT TO PROVIDE FOLLOW-UP COORDINATION WITH THE LOCAL JURISDICTION, AS REQUIRED, WITH RESPECT TO BUILDING-RELATED ISSUES THAT IMPACT THE APPROVAL AND RELEASE OF THE BUILDING.	CHEMICAL CURING, NON-STAINING, NON-BLEEDING WITH MOVEMENT CAPABILITY OF +25 PERCENT. 1. PECORA, 'UREXPAN NR-200' 2. SONNEBORN, 'SONOLASTIC SL2' 3. TREMCO, 'THC-900'	& RECOMMENDATIONS. 2. CARPET: MANUFACTUR ON THE DRAWINGS.	RER: THE CONTRACTOR S	DINATE WITH FLOORING MANUFACT	CARPET WHERE SHOWN		
PATCHING: PATCH CONSTRUCTION BY FILLING, REPAIRING, CLOSING UP, AND SIMILAR OPERATIONS FOLLOWING PERFORMANCE OF OTHER NORK. PATCH WITH DURABLE SEAMS THAT ARE INVISIBLE AS POSSIBLE. PROVIDE MATERIALS AND COMPLY WITH INSTALLATION REQUIREMENTS SPECIFIED IN OTHER SECTION OF THESE SPECIFICATIONS. INSPECTION: WHERE FEASIBLE, TEST AND INSPECT PATCHED AREAS AFTER COMPLETION TO DEMONSTRATE INTEGRITY OF INSTALLATION.	<ul> <li>B. SLNT-4: ONE COMPONENT LATEX, ASTM C834, SINGLE COMPONENT, SOLVENT CURING, NON-STAINING, NON-BLEEDING, NON-SAGGING, PAINT-ABLE, CABLE OF +/- 7.5 PERCENT MINIMUM MOVEMENT.</li> <li>1. PERCORA 'AC-20 SILICONIZED'</li> <li>2. SONNEBORN, 'SONOLAC'</li> </ul>	RECOMMENDED BY THE P	PRODUCT MANUFACTURE	PROVIDE OTHER MATERIALS, NOT S			
EXTERIOR BUILDING ENCLOSURE: PATCH COMPONENTS IN A MANNER THAT RESTORES ENCLOSURE TO A WATERTIGHT CONDITION. EXPOSED FINISHES: RESTORE EXPOSED FINISHED OF PATCHED AREAS AND EXTEND FINISH RESTORATION INTO RETAINED ADJOINING	3. REMCO, 'TREMFLEX 834'			OF ALL EXTERIOR AND INTERIOR IT			
CONSTRUCTION IN A MANNER THAT TWILL ELIMINATE EVIDENCE OF PATCHING AND REFINISHING. FLOORS AND WALLS: WHERE WALLS OR PARTITIONS THAT ARE REMOVED EXTEND ONE FINISHED ARE INTO ANOTHER, PATCH AND REPAIR FLOOR AN WALL SURFACES IN THE NEW SPACE. PROVIDE AN EVEN SURFACE OF UNIFORM FINISH, COLOR, TEXTURE AND	<ul> <li>C. SLNT-5: SILICONE SANITARY SEALANT, ASTM C920, TYPE S, GRADE NS, MILDEW RESISTANT, USDA APPROVED.</li> <li>1. DOW CORNING, '786 MILDEW RESISTANT SILICONE SEALANT'</li> <li>2. GENERAL ELECTRIC, 'GE SILICONE SANITARY 170 SEALANT'</li> </ul>		VOS RULES IN EFFECT A	HALL CONFORM TO STATE AND LOC AT THE TIME OF PAINT APPLICATION			
APPEARANCE, REMOVE EXISTING FLOOR AND WALL COVERING AND REPLACED WITH NEW MATERIALS, IF NECESSARY, TO ACHIEVE UNIFORM COLOR AND APPEARANCE.	3. TREMCO, 'TREMFLEX 834' USES: INTERIOR USE: MISCELLANEOUS INTERIOR AND EXTERIOR JOINTS SUBJECT TO MODERATE MOVEMENT	MANUFACTURER	R'S PRINTED RECOMMENI				
WHERE PATCHING OCCURS ON A PAINTED SURFACE, APPLY PRIMER AND INTERMEDIATE PAIN COATS OVER THE PATCH AND APPLY FINAL PAIN COAT OVER ENTIRE UNBROKEN SURFACE CONTAINING THE PATCH. PROVIDE ADDITIONAL COATS UNTIL PATCH BLENDS WIT ADJACENT SURFACES.	<ul><li>AND JOINTS TO BE PAINTED.</li><li>D. SEALANT COLORS: THE COLOR FOR EACH SEALANT INSTALLATIONS TO BE SELECTED TO CLOSELY MATCH THE COLOR OF</li></ul>	PEELING PAINT (	OR OTHER CONTAMINATI	SOUND CONDITION. REMOVE OIL, DU ION TO ENSURE GOOD ADHESION. Y WASHING WITH A SOLUTION OF 1			
CEILING: PATCH, REPAIR OR RE-HANG EXISTING CEILING AS NECESSARY TO PROVIDE EVEN-PLANE SURFACE OF UNIFORMS APPEARANCE.	AT LEAST ONE OF THE ADJACENT SURFACES. 1. WHEN THE SEALANT IS NOT PAINTED BY SUBSEQUENT CONSTRUCTION OPERATION AS INDICATED ON	HOUSEHOLD BLE MILDEWED AREA	EACH AND 3 PART OF WA A. ALLOW THE SOLUTION	ARM WATER. APPLY THE SOLUTION AN TO REMAIN ON THE SURFACE FOR	AND SCRUB THE R 10 MINUTES. RINSE		
FIRESTOP ALL PENETRATIONS IN FIRE RATED ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS, AN AS REQUIRED TO COMPLETELY SEAL THESE PENETRATION, REFER TO DIVISION 7 - THORUHG-PENETRATION FIRESTOP SYSTEMS AND FIRE- RESISTEIVE JOINS SYSTEMS.	THE DRAWINGS. THE COLOR FOR EACH SEALANT INSTALLATIONS TO BE SELECTED TO CLOSELY MATCH THE COLOR OF AT LEAST OF THE ADJACENT SURFACES. 2.SHOULD AN ACCEPTABLE COLOR NOT BE AVAILABLE FROM AN APPROVED SUBSTITUTE	WEAR PROTECT	TIVE GLASSES OR GOGGL	ALLOW THE SURFACE TO DRY 48 HO LES, WATERPROOF GLOVES, AND P COMES IN CONTACT WITH YOUR SKI	PROTECTIVE CLOTHING.		
EFERENCE STANDARDS	MANUFACTURER NOT HEREIN LISTED, EXCEPT AT ADDITIONAL CHARGE THE CONTRACTOR SHALL PROVIDE SUCH PREMIUM COLORS ACCEPTABLE TO THE OWNER.	DETERGENTS OF d.ALUMINUM: RE	OR AMMONIA TO THE BLEA EMOVE ALL OIL, GREASE,				
UMMARY: ANY MATERIAL OR PROCEDURE SPECIFIED BY REFERENCE NUMBER, SYMBOL, OR TITLE OF STANDARDS SUCH AS A COMMERCIAL STANDARD, FEDERAL SPECIFICATION, TRADE ASSOCIATION STANDARD, TECHNICAL SOCIETY STANDARD, OR OTHER SIMILAR STANDARD	<ul> <li>3. IN CONCEALED INSTILLATION, USE STANDARD COLOR GRAY OR BLACK SEALANT.</li> <li>E. PRIMERS: USE ONLY THOSE PRIMERS WHICH HAVE BEEN TESTED FOR DURABILITY ON THE SURFACES TO BE SEALED AND</li> </ul>		LOCK: REMOVE ALL LOSE	E MORTAL AND FOREIGN MATERIAL. IRT, FORM RELEASE AGENTS, MOIS			
DOCUMENT SHALL COMPLY WITH THE REQUIREMENT IN THE LATEST REVISION THEREOF OF ANY AMENDMENT OR SUPPLEMENT THERETO, EXCEPT AS MAY BE LIMITED TO TYPE, CLASS OR GRADE, OR MODIFIED IN SUCH REFERENCE. REFERENCE DOCUMENTS SHALL	ARE SPECIFICALLY RECOMMENDED FOR THIS INSTALLATION BY THE MANUFACTURERS OF THE SEALANT USED.	MEMBRANES, LO LEAST 30 DAYS A	OOSE CEMENT, AND HARI AT 75°F. THE PH OF THE S	DENERS. CONCRETE AND MORTAR SURFACE SHOULD BE BETWEEN 6 A	MUST BE CURED AT AND 9 UNLESS THE		
BE CONSIDERED AN INTEGRAL PART OF THIS PROJECT MANUAL AS IF INCLUDED IN THEIR ENTIRETY. THE CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF ASSOCIATION, TRADE, OR FEDERAL STANDARD, EXCEPT WHEN MORE STRINGENT REQUIREMENTS ARE SPECIFIED OR ARE REQUIRED BY APPLICABLE CODES.	F. BACKUP MATERIALS; USE ONLY THOSE BACKUP MATERIALS WHICH ARE NON-ABOSORBENT, NON-STAINING, AND SPECIFICALLY RECOMMENDED OF THE INSTALLATION BY THE MANUFACTURERS OF THE SEALANT USED.	WILLIAMS LOXON	N), ON CAST IN-PLACE CO	TO BE USED IN HIGH PH ENVIRONM ONCRETE, COMMERCIAL DETERGEN PARE THE SURFACE, FILL BUG HOLE	NTS AND ABRASIVE		
STRINGENT REQUIREMENTS ARE SPECIFIED OR ARE REQUIRED BY APPLICABLE CODES. SHOULD A SPECIFIED REFERENCE STANDARD CONFLICT WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REQUEST A CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.	G. THROUGH-PENETRAION FIRESTOP SYSTEMS: PROVIDE F-RATED FIRESTOP SYSTEMS DETERMINED PER ASTM E814: WITH FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES OF LESS THAN 25 AND 450 RESPECTIVELY AS DETERMINED PER ASTM	OTHER VOIDS W f.CONCRETE, SS	VITH A CEMENT PATCHING SPC-SP13 OR NACE 6:THIS	G COMPOUND. S STANDARD GIVE REQUIREMENTS	FOR SURFACE		
CHEDULE OF REFERENCES: ACI - AMERICAN CONCRETE INSTITUTE	E84. THE FOLLOWING ARE ACCEPTABLE MANUFACTURERS: 1. HILTI, INC. 2. SPECIFIED TECHNOLOGIES, INC.	PREPARATION O APPLICATION OF	OF CONCRETE BY MECHA F BONDED PROTECTIVE (	ANICAL, CHEMICAL OR THERMAL ME COATING OR LINING SYSTEMS. THE DES OF CEMENTATION SURFACES IN	THODS PRIOR TO THE REQUIREMENTS OF THIS		
AF&PA - AMERICAN FOREST AND PAPER ASSOCIATION AISC - AMERICAN INSTITUTE OF STEEL CONSTRUCTION	3. 3M; FIRE PROTECTION PRODUCTS.	PLACE CONCRET PREPARED CONC	TE FLOOR AND WALLS, P NCRETE SURFACE SHOUL	RECAST SLABS AND MASONRY WAL D BE FREE OF CONTAMINANTS, LAI	LL, AN ACCEPTABLE ITANCE, LOOSE		
AISI - AMERICAN IRON AND STEEL INSTITUTE ANSI - AMERICAN NATIONAL STANDARDS INSTITUTE APA - AMERICAN PLYWOOD ASSOCIATION	H. FIRE-RESISTIVE JOINT SYSTEMS. PROVIDE FIRE=RESISTIVE JOINT SYSTEMS THAT ARE PRODUCED AND INSTALLED TO RESIST SPREAD OF FIRE: RESIST PASSAGE OF SMOKE AND OTHER GASES, AND MAINTAIN ORIGINAL FIRE RESISTANCE RATING OF ASSEMBLY IN WHICH FIRE-RESISTIVE JOINT SYSTEMS ARE INSTALLED; WITH FLAME-SPREAD AND SMOKE-	SUITABLE OF TH	HE APPLICATION OF PROT	SHOULD PROVIDE A SOUND, UNIFOF TECTIVE COATING, OR LINING SYST -SP1 USING DETERGENT AND WATE	TEMS.		
ASCE/SEI - AMERICAN SOCIETY OF CIVIL ENGINEERS STRUCTURAL ENGINEERING INSTITUTE ASTM - AMERICAN SOCIETY FOR TESTING AND MATERIALS	DEVELOPED INDEXED OF LESS THAN 25 AND 450 RESPECTIVELY AS DETERMINED PER ASTM E84. THE FOLLOWING ARE ACCEPTABLE MANUFACTURERS:	ČLEANER TO REI	EMOVE GREASES AND OIL	LS. PRE-TREAT AND APPLY AN ACID ANING BY ONE OR MORE OF THE FO	) ETCH.		
AWC - AMERICAN WOOD COUNCIL AWI - AMERICAN WOODWORKING INSTITUTE AWPA - AMERICAN WOODL-PRESERVERS ASSOCIATION	1. HILTI, INC. 2. SPECIFIED TECHNOLOGIES, INC. 3. 3M: FIRE PROTECTION PRODUCTS		SOLVENT CLEANING SSPC SH OFF BLAST CLEANING	C-SP1; HAND TOOL CLEANING; POW 6, SSPC-SP7.	/ER TOOL CLEANING,		
AWS - AMERICAN WELDING SOCIETY SRSI - CONCRETE REINFORCING STEEL INSTITUTE	DIVISION 08 - DOORS & WINDOWS						
DOC - U.S. DEPARTMENT OF LABOR NATIONAL INSTITUTE OF STANDARDS AND TEHCNOLOGY FGMA - FLAT GLASS MARKETING ASSOCIATION FM - FACTORY MUTUAL STANDARDS LABORATORIES DEPARTMENT	A. NOT USED						
FS - FEDERAL SPECIFICATION GHA FEDERAL SUPPLY SERVICE GA - GYPSUM ASSOCIATION	<ul> <li>B. INSTALL HOLLOW METAL DOORS AND FRAMES IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS</li> </ul>				MATERIA	L RESPONSIBILITIES	
GANA - GLASS ASSOCIATION OF NORTH AMERICA ICC - INTERNATIONAL CODE COUNCIL IEEE - INSTITUTE OF ELECTRICAL & ELECTRONICS	AND PROVISIONS OF SDI-105. HANG DOORS PLUMB, SQUARE AND LEVEL TO PROVIDE FOR EASY OPERATION.						
IGMA - INSULATING GLASS MANUFACTURERS ALLIANCE IMI - INTERNATIONAL MASONRY INSTITUTE	- GENERAL CONTRACTOR SHALL FURNISH AND INSTALL ALL FINISH HARDWARE AND ACCESSORIES NECESSARY FOR A COMPLETE PROJECT WHETHER THE ITEMS ARE SPECIFICALLY SCHEDULED OR NOT.		ODUCT TYPE	2X2 LED	ORDERED AND PROVIDED BY	GC INSTALLED	1.) MUST USE GOLFTEC PREFERRED VENDOR ONLY (SES
IWPA - INTERNATIONAL WOOD PRODUCTS ASSOCIATION LGSEA - LIGHT GAUGE STEEL ENGINEERS ASSOCIATION NAAMM - NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURER	- INSTALL ALL HARDWARE IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS, UTILIZING AN APPROPRIATE DEVICE OR ADHESIVE.	Lioning			WITH GC CONFIRMATION	GUINSTALLED	LIGHTING) 2.) GOLFTEC WILL INITIATE THE PRODUCT ORDER AND CONNCET GC AND
NCMA - NATIONAL CONCRETE MASONRY ASSOCIATION NFPA - NATION FIRE PROTECTION ASSOCIATION	DIVISION 09 - FINISHES		_	LED CANNED AND DIRECTIONAL	OWNER/ GOLFTEC PROVIDED WITH GC CONFIRMATION	GC INSTALLED	VENDOR TO ENSURE ALL PRODUCT IS ORDERED AND DELIVERED WHEN NEEDED. INVOICE WILL GO DIRECTLY TO OWNER, NOT GENERAL CONTRACT
NELMA - NORTHEASTERN LUMBER MANUFACTURER ASSOCIATION NRCA - NATIONAL ROOFING CONTRACTORS ASSOCIATION SDI - STEEL DECK INSTITUTE	A. GYPSUM WALLBOARD: 1. INTERIOR REGULAR GYPSUM WALLBOARD: PROVIDE TYPE III, GRADE R, CLASS 1, 5/8" THICK.			PENDANT AND VANITY LIGHT	OWNER/ GOLFTEC PROVIDED WITH GC CONFIRMATION	GC INSTALLED	3.) GENERAL CONTRACTOR TO COORDINATE THE DELIVERAY DATE AND RECEIVING OF THE MATERIALS FROM GOLFTEC SUPPLIERS AS NEEDED.
SDI - STEEL DOOR INSTITUTE SJI - STEEL JOIST INSTITUTE	2. INTERIOR FIRE-RETARDANT WALLBOARD: PROVIDE TYPE III, GRADE X, CLASS 1, UL LISTED 5/8" THICK. 3. INTERIOR MOISTURE-RESISTANT GYPSUM WALLBOARD: PROVIDE AT WALLS ONLY AT DAMP LOCATIONS			SWITCHES AND CONTROLS	OWNER/ GOLFTEC PROVIDED WITH GC CONFIRMATION	GC INSTALLED	GOLFTEC PROJECT MANAGER WILL INITIATE THE CONTACT WHEN ORDER IS PLACED.
SMACNA - SHEET METAL & AIR CONDITIONING CONTRACTOR' NATIONAL ASSOCIATION, INC. SPRI - SINGLE-PLY ROOFING INSTITUTE SSPC - STEEL STRUCTURES PAINING COUNCIL	<ul> <li>WHERE SCHEDULED OR OTHERWISE SHOWN ON THE DRAWINGS 1/2" OR 5/8" THICK. FIRE-RETARDANT MOISTURE- RESISTANT WALLBOARD WHERE REQUIRED, GRADE X, UL LISTED, 5/8" THICK.</li> <li>GOLD BOND BRAND XP AND GOLD BOND BRAND XP FIRE-SHEILD WALLBOARD, BY NATIONAL</li> </ul>	FLOORIN	NG	CPT-1 / LOBBY CARPET TILES	OWNER/ GOLFTEC PROVIDED WITH GC CONFIRMATION	GC INSTALLED	1.) GOLFTEC WILL INITIATE THE PRODUCT ORDER AND CONNCET GC AND
TMS - THE MASONRY SOCIETY UL - UNDERWRITERS LABORATORIES WHI - WARNOCK HERSEY INTERTEK - ETL SEMKO	GYPSUM COMPANY. - SHEETROCK BRAND AND FIRECODE CORE HUMITEK GYPSUM PANELS, BY USG. 4. CORNER BEADS: PROVIDE GALVANIZED STEEL ANGLE SHAPES WITH WINGS NOT LESS THAN 1" WIDE AND		-	CPT-3 / LOBBY CARPET TILES	OWNER/ GOLFTEC PROVIDED	GC INSTALLED	VENDOR TO ENSURE ALL PRODUCT IS ORDERED AND DELIVERED WHEN NEEDED. INVOICE WILL GO DIRECTLY TO OWNER, NOT GENERAL CONTRACT
WRI - WIRE REINFORCEMENT INSTITUTE, INC. WWPA - WESTERN WOOD PRODUCTS ASSOCIATION	PERFORATED FOR NAILING THE JOINT TREATMENT. PRODUCT: DUR-A-BEAD BY USG. 5. CASING BEADS: PROVIDE GALVANIZED STEEL J-SHAPED CHANNEL CASING BEADS AT EXPOSED WALLBOARD		-	LVT-1 / LOBBY VINYL TILE	WITH GC CONFIRMATION OWNER/ GOLFTEC PROVIDED	GC INSTALLED	2.) GENERAL CONTRACTOR TO COORDINATE THE DELIVERY DATE AND RECEIVING OF THE MATERIALS FROM GOLFTEC SUPPLIERS AS NEEDED.
LOCAL CODES, STATE LAWS AN ALL OTHER GOVERNING AUTHORITIES.	EDGES AT LOCATION INCLUDING, BUT NOT LIMITED TO EDGES AT TOP OF PARTIAL HEIGHT PARTITION AND VERTICAL AND HORIZONTAL EDGES WHERE GYPSUM WALLBOARD ABUTS OTHER MATERIALS AND REVEALS. PRODUCT: 200-A BY USG.		-		WITH GC CONFIRMATION OWNER/ GOLFTEC PROVIDED	GC INSTALLED	GOLFTEC PROJECT MANAGER WILL PLACE ORDER AND INITIATE THE CONTA WHEN ORDER IS PLACED. MATERIAL CONTACTS ARE ALSO LISTED ON A103.
E SITE. REVIEW CONSTRUCTION CONDITION AND PRIOR TO STARING WORK, SHALL VERIFY ALL DIMENSION SHOWN ON THE DRAWINGS, ALL TE CONDITION AND ALL REQUIREMENT FOR THE PROJECT. THE INTENTION OF THESE DRAWINGS IS TO PROVIDE FOR WORK COMPLETE IN	6. EDGE BEADS (CEILING PERIMETER): PROVIDE GALVANIZED STEEL L-SHAPED CHANNEL CASING BEAD WITHOUT A BACK FLANGE FOR USE AT PERIMETER OF CEILINGS. PRODUCT: 200-B BY USG.		-	TURF-1 / BLACK BAY TURF	WITH GC CONFIRMATION OWNER/ GOLFTEC PROVIDED	GC INSTALLED	
/ERY DETAIL EVEN THROUGH EVERY TIME INVOLVED MAY NOT BE SHOWED OR MENTION IN PARTICULAR, THE GENERAL CONTRACTOR SHALL ROVIDE ALL SUPERVISION, TOOLS, MATERIALS, LABOR SERVICES, TRANSPORTATION, ETC. NECESSARY FOR COMPLETION OF THE WORK TENDED TO BE SHOWN AND/OR DESCRIBED. VARIATION OR AMBIGUITIES BETWEEN THESE DRAWINGS AND ACTUAL SIDE AND CONSTRUCTION	7. CONTROL JOINTS: PROVIDE STALBE-APPLIED FOLL-OFRED ZINC CONTROL WHERE SHOWN ON THE DRAWING AT 30'0" O.C. MAXIMUM. PROVIDE FLUSH CAULK BEAD TO FILL 1/4" OPEN SLOT AFTER PROTECTIVE TAPE IS REMOVED AFTER ADJACENT WALLBOARD FINISHING. PRODUCT: ZINC CONTROL JOINT NO. 093 BY USG.			TURF-2 / GREEN PUTTING TURF	OWNER/ GOLFTEC PROVIDED		
NDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING AND SHALL BE RESOLVED AND DOCUMENTED BY THE ENERAL CONTRACTOR IN WRITING PRIOR TO STARTING CONSTRICTION OTHERWISE, THE GENERAL CONTRACTOR SHALL PERFORM HIS WORK IN	8. PROVIDE A JOINTING SYSTEM, INCLUDING REINFORCING TAPE AND COMPOUND, DEIGNED AS A SYSTEM TO BE USED TOGETHER AND AS RECOMMENDED FOR THIS USE BY THE MANUFACTURER OF THE GYPSUM WALL		ALL BASE	B-1 / SLATE VINYL COVE BASE	OWNER/ GOLFTEC PROVIDED WITH GC CONFIRMATION OWNER/ GOLFTEC PROVIDED	GC INSTALLED	1
CORDANCE WITH THE MOST STRINGENT NOTATION OR REQUIREMENT TO PROPERLY AND FUNCTION EXECUTE THE WORK OF HIS CONTRACT.	BOARD APPROVED FOR USE ON THIS WORK. JOINTING COMPOUND MAY BE USED FOR FINISH IF SO RECOMMENDED BY IT'S MANUFACTURER. 9. FASTENING SYSTEM: FOR FASTENING GYPSUM WALLBOARD IN PLACE ON STUDS, CHANNELS, USE FLA-HEAD			B-2 / BLACK VINYL COVE BASE (WITHIN HITTING BAYS)	WITH GC CONFIRMATION	GC INSTALLED	
INSTRUCTION DOCUMENT. NO DEVIATION FROM THE WORK SHOWN OR REASONABLY IMPLIED SHALL BE UNDERTAKEN WITHOUT CONSENT OM THE ARCHITECT.	SCREW, SHOULDERED, SPECIFICALLY DESIGNED FOR USE WITH POER-DRIVEN TOOLS, NOT LESS THAN 1" LONG, WITH SELF-TAPPING THREADS AND SELF-DRILLING POINTS.	RESTROC	OM TILE	CT-1 / RESTROOM FLOOR	OWNER/ GOLFTEC PROVIDED WITH GC CONFIRMATION	GC INSTALLED	
<u>ANS AND METHODS:</u> THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, QUENCES, AND PRODUCTION PROCEDURES REQUIRED FOR THE PROPER AND SAFE EXECUTION AND COMPLETION OF THE WORK AND FOR	10. FIRESTOP SYSTEM: PROVIDE ALL FIRESTOP MATERIALS AS REQUIRED TO COMPLY WITH CODE REQUIREMENTS, CONSISTING OF FIRE RATED WALL ASSEMBLIES, FORMING MATERIALS AND SEALANTS. a. REFER TO DIVISION 7 - THROUGH PENETRATION FIRESTOP SYSTEMS		-	CT-2 / RESTROOM WALL	OWNER/ GOLFTEC PROVIDED WITH GC CONFIRMATION	GC INSTALLED	
TIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTION. PROCEDURES AND PROBLEMS IN CONNECTION WITH THE WORK.	<ul> <li>b. REFER TO DIVISION 7 - FIRE-RESISTIVE JOINT SYSTEMS.</li> <li>11. FINISHING: PROVIDE LEVELS OF GYPSUM WALLBOARD FINISH FOR LOCATION AS FOLLOWS, IN ACCORDANCE</li> </ul>		-	CT-3 / RESTROOM WALL MOSAIC	OWNER/ GOLFTEC PROVIDED WITH GC CONFIRMATION	GC INSTALLED	
ATERIALS AND GUARANTEE: ALL MATERIALS AND EQUIPMENT FOR THE PROJECT SHALL BE NEW, UNLESS OTHERWISE SPECIFIED AN ALL WORK	WITH GYPSUM ASSOCIATION GA-214.		_	GROUT FOR TILE	OWNER/ GOLFTEC PROVIDED	GC INSTALLED	
ALL BE OF GOOD QUALITY AND FREE FROM FAULTS AND DEFECT. ALL WORK SHALL BE GUARANTEED FOR ONE (1) FULL YEAR FROM THE DATE	a. LEVEL 1: CEILING PLENUM AREAS AND CONCEALED AREAS, EXCEPT PROVIDE HIGHER LEVEL OF FINISH AS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATING AND ACOUSTICAL RATINGS.			GROUTT ON TILE	WITH GC CONFIRMATION		
ALL BE OF GOOD QUALITY AND FREE FROM FAULTS AND DEFECT. ALL WORK SHALL BE GUARANTEED FOR ONE (1) FULL YEAR FROM THE DATE SUBSTANTIAL COMPLETION. ALL MANUFACTURER'S SHALL BE IN EXCESS OF THE CONTRACTOR'S GUARANTEE.	FINISH AS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATING AND ACOUSTICAL RATINGS. b. LEVEL 2: GYPSUM WALLBOARD SUBSTRATES AT TILE, EXCEPT REMOVE TOOL MARKS AND RIDGES. c. LEVEL 3: GYPSUM WALLBOARDS SURFACES, WHERE TEXTURED FINISHES WILL BE USED OR HEAVY					GC INSTALLED	
IALL BE OF GOOD QUALITY AND FREE FROM FAULTS AND DEFECT. ALL WORK SHALL BE GUARANTEED FOR ONE (1) FULL YEAR FROM THE DATE SUBSTANTIAL COMPLETION. ALL MANUFACTURER'S SHALL BE IN EXCESS OF THE CONTRACTOR'S GUARANTEE. ECORD DRAWINGS: THE GENERAL CONTRACTOR SHALL PROVIDE ACCURATE 'RECORD DRAWINGS' TO DOCUMENT ANY VARIATIONS FROM DRKING, ENGINEERING OR SHOP DRAWING TO INDICATE THE ACTUAL 'CONSTRUCTED' CONDITIONS WITH PARTICULAR REFERENCE TO WORK	FINISH AS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATING AND ACOUSTICAL RATINGS. b. LEVEL 2: GYPSUM WALLBOARD SUBSTRATES AT TILE, EXCEPT REMOVE TOOL MARKS AND RIDGES. c. LEVEL 3: GYPSUM WALLBOARDS SURFACES, WHERE TEXTURED FINISHES WILL BE USED OR HEAVY VINYL WALL COVERING. d. LEVEL 4: GYPSUM WALLBOARD SURFACES, EXCEPT WHERE ANOTHER FINISH LEVEL IS INDICATED.	WALL CO	OVERING	SCHLUTER FOR TILE	OWNER/ GOLFTEC PROVIDED WITH GC CONFIRMATION OWNER/ GOLFTEC PROVIDED		
HALL BE OF GOOD QUALITY AND FREE FROM FAULTS AND DEFECT. ALL WORK SHALL BE GUARANTEED FOR ONE (1) FULL YEAR FROM THE DATE F SUBSTANTIAL COMPLETION. ALL MANUFACTURER'S SHALL BE IN EXCESS OF THE CONTRACTOR'S GUARANTEE. ECORD DRAWINGS: THE GENERAL CONTRACTOR SHALL PROVIDE ACCURATE 'RECORD DRAWINGS' TO DOCUMENT ANY VARIATIONS FROM ORKING, ENGINEERING OR SHOP DRAWING TO INDICATE THE ACTUAL 'CONSTRUCTED' CONDITIONS WITH PARTICULAR REFERENCE TO WORK HICH WILL BE SUBSEQUENTLY CONCEALED, UPON COMPLETION OF WORK.	<ul> <li>FINISH AS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATING AND ACOUSTICAL RATINGS.</li> <li>b. LEVEL 2: GYPSUM WALLBOARD SUBSTRATES AT TILE, EXCEPT REMOVE TOOL MARKS AND RIDGES.</li> <li>c. LEVEL 3: GYPSUM WALLBOARDS SURFACES, WHERE TEXTURED FINISHES WILL BE USED OR HEAVY VINYL WALL COVERING.</li> <li>d. LEVEL 4: GYPSUM WALLBOARD SURFACES, EXCEPT WHERE ANOTHER FINISH LEVEL IS INDICATED.</li> <li>B. SUSPENDED ACOUSTICAL CEILING:</li> <li>1.COMPLY WITH THE APPLICABLE PROVISION OF THE FOLLOWING: ASTM C635 - METAL SUSPENSION SYSTEM FOR ACOUSTICAL TILE AND LAY-IN PANEL CEILINGS: ASTM C363 - INSTALLATION OF METAL CEILING SUSPENSION SYSTEMS</li> </ul>	WALL CO		WC-1 / DINOC	WITH GC CONFIRMATION OWNER/ GOLFTEC PROVIDED WITH GC CONFIRMATION	GC INSTALLED (WALL PAPER TYPE INSTALL)	
HALL BE OF GOOD QUALITY AND FREE FROM FAULTS AND DEFECT. ALL WORK SHALL BE GUARANTEED FOR ONE (1) FULL YEAR FROM THE DATE         F SUBSTANTIAL COMPLETION. ALL MANUFACTURER'S SHALL BE IN EXCESS OF THE CONTRACTOR'S GUARANTEE.         ECORD DRAWINGS: THE GENERAL CONTRACTOR SHALL PROVIDE ACCURATE 'RECORD DRAWINGS' TO DOCUMENT ANY VARIATIONS FROM         ORKING, ENGINEERING OR SHOP DRAWING TO INDICATE THE ACTUAL 'CONSTRUCTED' CONDITIONS WITH PARTICULAR REFERENCE TO WORK         HICH WILL BE SUBSEQUENTLY CONCEALED, UPON COMPLETION OF WORK.         VISION 06 - WOOD, PLASTICS & COMPOSITES         UALITY ASSURANCE:         ALL EXPOSED MATERIALS PROVIDED UNDER THIS SECTION SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPMEN	FINISH AS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATING AND ACOUSTICAL RATINGS.         b. LEVEL 2: GYPSUM WALLBOARD SUBSTRATES AT TILE, EXCEPT REMOVE TOOL MARKS AND RIDGES.         c. LEVEL 3: GYPSUM WALLBOARDS SURFACES, WHERE TEXTURED FINISHES WILL BE USED OR HEAVY         VINYL WALL COVERING.         d. LEVEL 4: GYPSUM WALLBOARD SURFACES, EXCEPT WHERE ANOTHER FINISH LEVEL IS INDICATED.         B.       SUSPENDED ACOUSTICAL CEILING:         1.COMPLY WITH THE APPLICABLE PROVISION OF THE FOLLOWING: ASTM C635 - METAL SUSPENSION SYSTEM FOR         ACOUSTICAL TILE AND LAY-IN PANEL CEILINGS: ASTM C363 - INSTALLATION OF METAL CEILING SUSPENSION SYSTEMS         FOR ACOUSTICAL TILE AND LAY-INPANELS; ASTM E480 - STANDARD PRACTICE FOR APPLICATION OF CEILING SUSPENSION         T       SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANELS IN AREAS REQUIRING SEISMIC RESTRAINTS (IF SEISMIC RESTRAINTS		OVERING IS AND BAFFLES		WITH GC CONFIRMATION OWNER/ GOLFTEC PROVIDED	GC INSTALLED (WALL PAPER	
HALL BE OF GOOD QUALITY AND FREE FROM FAULTS AND DEFECT. ALL WORK SHALL BE GUARANTEED FOR ONE (1) FULL YEAR FROM THE DATE F SUBSTANTIAL COMPLETION. ALL MANUFACTURER'S SHALL BE IN EXCESS OF THE CONTRACTOR'S GUARANTEE. ECORD DRAWINGS: THE GENERAL CONTRACTOR SHALL PROVIDE ACCURATE 'RECORD DRAWINGS' TO DOCUMENT ANY VARIATIONS FROM 'ORKING, ENGINEERING OR SHOP DRAWING TO INDICATE THE ACTUAL 'CONSTRUCTED' CONDITIONS WITH PARTICULAR REFERENCE TO WORK 'HICH WILL BE SUBSEQUENTLY CONCEALED, UPON COMPLETION OF WORK. VISION 06 - WOOD, PLASTICS & COMPOSITES UALITY ASSURANCE: ALL EXPOSED MATERIALS PROVIDED UNDER THIS SECTION SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPMEN RATING OF 450 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84. PROVIDE EVIDENCE OF SUCH PRIOR TO ORDERING SUCH PRODUCTS OR MATERIALS.	<ul> <li>FINISH AS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATING AND ACOUSTICAL RATINGS.</li> <li>b. LEVEL 2: GYPSUM WALLBOARD SUBSTRATES AT TILE, EXCEPT REMOVE TOOL MARKS AND RIDGES.</li> <li>c. LEVEL 3: GYPSUM WALLBOARDS SURFACES, WHERE TEXTURED FINISHES WILL BE USED OR HEAVY VINYL WALL COVERING.</li> <li>d. LEVEL 4: GYPSUM WALLBOARD SURFACES, EXCEPT WHERE ANOTHER FINISH LEVEL IS INDICATED.</li> </ul> B. SUSPENDED ACOUSTICAL CEILING: <ul> <li>1.COMPLY WITH THE APPLICABLE PROVISION OF THE FOLLOWING: ASTM C635 - METAL SUSPENSION SYSTEM FOR ACOUSTICAL TILE AND LAY-IN PANEL CEILINGS: ASTM C363 - INSTALLATION OF METAL CEILING SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANELS; ASTM E480 - STANDARD PRACTICE FOR APPLICATION OF CEILING SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANELS IN AREAS REQUIRING SEISMIC RESTRAINTS (IF SEISMIC RESTRAINTS ARE REQUIRED BY THE LOCAL JURISDICTION)</li> <li>2.GRID SYSTEM: PROVIDE GRID SYSTEM WHERE SHOWN ON THE DAWING AS MANUFACTURED BY ARMSTRONG.</li> <li>a. 15/16". STRUCTURAL CLASSIFICATION: MEDIUM DUTY: SEISMIC CATEGORY A, B, C.</li> </ul>	BAY NETS	TS AND BAFFLES	WC-1 / DINOC	WITH GC CONFIRMATION         OWNER/ GOLFTEC PROVIDED         WITH GC CONFIRMATION         OWNER/ GOLFTEC PROVIDED	GC INSTALLED (WALL PAPER TYPE INSTALL)	
HALL BE OF GOOD QUALITY AND FREE FROM FAULTS AND DEFECT. ALL WORK SHALL BE GUARANTEED FOR ONE (1) FULL YEAR FROM THE DATE         F SUBSTANTIAL COMPLETION. ALL MANUFACTURER'S SHALL BE IN EXCESS OF THE CONTRACTOR'S GUARANTEE.         ECORD DRAWINGS: THE GENERAL CONTRACTOR SHALL PROVIDE ACCURATE 'RECORD DRAWINGS' TO DOCUMENT ANY VARIATIONS FROM         ORKING, ENGINEERING OR SHOP DRAWING TO INDICATE THE ACTUAL 'CONSTRUCTED' CONDITIONS WITH PARTICULAR REFERENCE TO WORK         HICH WILL BE SUBSEQUENTLY CONCEALED, UPON COMPLETION OF WORK.         VISION 06 - WOOD, PLASTICS & COMPOSITES         UALITY ASSURANCE:         ALL EXPOSED MATERIALS PROVIDED UNDER THIS SECTION SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPMEN         RATING OF 450 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84. PROVIDE EVIDENCE OF SUCH PRIOR TO ORDERING SUCH PRODUCTS OR MATERIALS.         DUGH & FINISH CARPENTRY         LUMBER AND PLYWOOD	<ul> <li>FINISH AS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATING AND ACOUSTICAL RATINGS.</li> <li>b. LEVEL 2: GYPSUM WALLBOARD SUBSTRATES AT TILE, EXCEPT REMOVE TOOL MARKS AND RIDGES.</li> <li>c. LEVEL 3: GYPSUM WALLBOARDS SURFACES, WHERE TEXTURED FINISHES WILL BE USED OR HEAVY VINYL WALL COVERING.</li> <li>d. LEVEL 4: GYPSUM WALLBOARD SURFACES, EXCEPT WHERE ANOTHER FINISH LEVEL IS INDICATED.</li> </ul> B. SUSPENDED ACOUSTICAL CEILING: <ul> <li>1.COMPLY WITH THE APPLICABLE PROVISION OF THE FOLLOWING: ASTM C635 - METAL SUSPENSION SYSTEM FOR ACOUSTICAL TILE AND LAY-IN PANEL CEILINGS: ASTM C363 - INSTALLATION OF METAL CEILING SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANELS; ASTM E480 - STANDARD PRACTICE FOR APPLICATION OF CEILING SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANELS IN AREAS REQUIRING SEISMIC RESTRAINTS (IF SEISMIC RESTRAINTS ARE REQUIRED BY THE LOCAL JURISDICTION)</li> <li>2.GRID SYSTEM: PROVIDE GRID SYSTEM WHERE SHOWN ON THE DAWING AS MANUFACTURED BY ARMSTRONG.</li> <li>a. 15/16". STRUCTURAL CLASSIFICATION: MEDIUM DUTY: SEISMIC CATEGORY A, B, C.</li> <li>b. ATTACHMENT DEVICES SIZE FOR 5 TIMES DETING LOAD INDICATED IN ASTM C635, TABLE 1 DIRECT HUNG UNLESS OTHERWISE INDICATED.</li> </ul>	BAY NETS INTERIOR GRAPHIC	TS AND BAFFLES R SIGNAGE AND CS	WC-1 / DINOC INCLUDES FRAMES AND HARDWARE ALL INTERIOR	WITH GC CONFIRMATION         OWNER/ GOLFTEC PROVIDED         WITH GC CONFIRMATION         OWNER/ GOLFTEC PROVIDED         WITH GC CONFIRMATION         OWNER/ GOLFTEC PROVIDED         OWNER/ GOLFTEC PROVIDED	GC INSTALLED (WALL PAPER TYPE INSTALL) GC INSTALLED INSTALLED BY OTHERS	
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<ul> <li>SHALL BE OF GOOD QUALITY AND FREE FROM FAULTS AND DEFECT. ALL WORK SHALL BE GUARANTEED FOR ONE (1) FULL YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. ALL MANUFACTURER'S SHALL BE IN EXCESS OF THE CONTRACTOR'S GUARANTEE.</li> <li>RECORD DRAWINGS: THE GENERAL CONTRACTOR SHALL PROVIDE ACCURATE 'RECORD DRAWINGS' TO DOCUMENT ANY VARIATIONS FROM WORKING, ENGINEERING OR SHOP DRAWING TO INDICATE THE ACTUAL 'CONSTRUCTED' CONDITIONS WITH PARTICULAR REFERENCE TO WORK WHICH WILL BE SUBSEQUENTLY CONCEALED, UPON COMPLETION OF WORK.</li> <li>DIVISION 06 - WOOD, PLASTICS &amp; COMPOSITES</li> <li>QUALITY ASSURANCE:</li> <li>A. ALL EXPOSED MATERIALS PROVIDED UNDER THIS SECTION SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPMEN RATING OF 450 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84. PROVIDE EVIDENCE OF SUCH PRIOR TO ORDERING SUCH PRODUCTS OR MATERIALS.</li> <li>ROUGH &amp; FINISH CARPENTRY</li> <li>A. LUMBER AND PLYWOOD</li> <li>POSI MINIMUM WITH A MAXIMUM 19% MOISTURE CONTENT.</li> <li>FINISH CARPENTRY, AWS CUSTOM GRADE FOR STAINED FINISH, MATCH PLASTIC LAMINATE APPEARANCE, GRAIN AND STAIN. FINISH IN ACCORDANCE WITH ANS SECTION 5, TRANSPARENT, SEMI-GLOSS FINISH</li> <li>DIMENSIONAL LUMBER FOR SILLS, BASE, BUMPER GUARDS AND OTHER EXPOSED AREAS OF RECEIVING AND STORAGE: S4S GRADE B OR BETTER, SOUTHERN YELLOW PINE.</li> <li>PLYWOOD (TELEPHONE BACKBOARD): 3/4" THICK A-D INTERIOR.</li> </ul>	<ul> <li>FINISH AS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATING AND ACOUSTICAL RATINGS.</li> <li>b. LEVEL 2: GYPSUM WALLBOARD SUBSTRATES AT TILE, EXCEPT REMOVE TOOL MARKS AND RIDGES.</li> <li>c. LEVEL 3: GYPSUM WALLBOARD SURFACES, WHERE TEXTURED FINISHES WILL BE USED OR HEAVY VINYL WALL COVERING.</li> <li>d. LEVEL 4: GYPSUM WALLBOARD SURFACES, EXCEPT WHERE ANOTHER FINISH LEVEL IS INDICATED.</li> <li>B. SUSPENDED ACOUSTICAL CEILING:</li> <li>I.COMPLY WITH THE APPLICABLE PROVISION OF THE FOLLOWING: ASTM C635 - METAL SUSPENSION SYSTEM FOR ACOUSTICAL TILE AND LAY-IN PANEL CEILINGS: ASTM C633 - INSTALLATION OF METAL CEILING SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-INPANELS; ASTM E480 - STANDARD PRACTICE FOR APPLICATION OF CEILING SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-INPANELS IN AREAS REQUIRING SEISMIC RESTRAINTS (IF SEISMIC RESTRAINTS ARE REQUIRED BY THE LOCAL JURISDICTION)</li> <li>2.GRID SYSTEM: PROVIDE GRID SYSTEM WHERE SHOWN ON THE DAWING AS MANUFACTURED BY ARMSTRONG.</li> <li>a. 15/16". STRUCTURAL CLASSIFICATION: MEDIUM DUTY: SEISMIC CATEGORY A, B, C.</li> <li>b. ATTACHMENT DEVICES SIZE FOR 5 TIMES DETING LOAD INDICATED IN ASTM C635, TABLE 1 DIRECT HUNG UNLESS OTHERWISE INDICATED.</li> <li>c. WIRE FOR HANGER AND TIES: ASTM A641, CLASS 1 ZINC COATING, SOFT TEMPER, PRE-STRETCHED, WITH A WIELD STRESS LOAD OF AT LEAST 3 TIMES DESIGN LOAD, BUT NOT LESS THAN 12 GAUGE.</li> <li>d. COLOR: WHITE</li> <li>3.ACOUSTICAL CEILING PANELS: PROVIDE ACOUSTICAL CEILING PANELS WHERE SHOWN ON THE DRAWINGS AS MANUFACTURED BY ARMSTRONG WORLD INDUSTRIES, INC.</li> <li>a. FLAME SPREAD/FIRE RESISTANCE: CLASS A: FLAME SPREAD 25 OR LESS PER ASTM E1264.</li> <li>b. TYPE, SIZE, COLOR: REFER TO DRAWINGS.</li> </ul>	BAY NETS INTERIOR GRAPHIC FURNITUR GOLFTEC	TS AND BAFFLES R SIGNAGE AND CS IRE AND FIXTURES C TECH	WC-1 / DINOC INCLUDES FRAMES AND HARDWARE ALL INTERIOR BAY DESKS/ CHAIRS LOBBY FURNITURE LOBBY FIXTURES	WITH GC CONFIRMATION         OWNER/ GOLFTEC PROVIDED         WITH GC CONFIRMATION         OWNER/ GOLFTEC PROVIDED         WITH GC CONFIRMATION         OWNER/ GOLFTEC PROVIDED         OWNER/ GOLFTEC PROVIDED         OWNER/ GOLFTEC PROVIDED	GC INSTALLED (WALL PAPER TYPE INSTALL) GC INSTALLED INSTALLED BY OTHERS INSTALLED BY OTHERS - GC RESPONSIBLE FOR RUNNING HDMI AND S- VIDEO CABLES - GC RESPONSIBLE FOR TV INTSALLATION, ALL OTHER	
<ul> <li>SHALL BE OF GOOD QUALITY AND FREE FROM FAULTS AND DEFECT. ALL WORK SHALL BE GUARANTEED FOR ONE (1) FULL YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. ALL MANUFACTURER'S SHALL BE IN EXCESS OF THE CONTRACTOR'S GUARANTEE.</li> <li>RECORD DRAWINGS: THE GENERAL CONTRACTOR SHALL PROVIDE ACCURATE 'RECORD DRAWINGS' TO DOCUMENT ANY VARIATIONS FROM WORKING, ENGINEERING OR SHOP DRAWING TO INDICATE THE ACTUAL 'CONSTRUCTED' CONDITIONS WITH PARTICULAR REFERENCE TO WORK WHICH WILL BE SUBSEQUENTLY CONCEALED, UPON COMPLETION OF WORK.</li> <li>DIVISION 06 - WOOD, PLASTICS &amp; COMPOSITES</li> <li>QUALITY ASSURANCE:</li> <li>A. ALL EXPOSED MATERIALS PROVIDED UNDER THIS SECTION SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPMEN RATING OF 450 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84. PROVIDE EVIDENCE OF SUCH PRIOR TO ORDERING SUCH PRODUCTS OR MATERIALS.</li> <li>ROUGH &amp; FINISH CARPENTRY</li> <li>A. LUMBER AND PLYWOOD</li> <li>ROUGH CARPENTRY: VISIBLE GRADE STAMP, OF NFPA-CERTIFIED AGENCY, HEM-FIR OR EQUAL SELECT STRUCTURAL NO 2 GRADE OR BETTER 120 PSI MINIMUM WITH A MAXIMUM 19% MOISTURE CONTENT.</li> <li>FINISH CARPENTRY: AWS CUSTOM GRADE FOR STAINED FINISH, MATCH PLASTIC LAMINATE APPEARANCE, GRAIN AND STAIN. FINISH IN ACCORDANCE WITH ASS FINISH</li> <li>DIMENSIONAL LUMBER FOR SILLS, BASE, BUMPER GUARDS AND OTHER EXPOSED AREAS OF RECEIVING AND STORAGE: S4S GRADE B OR BETTER, SOUTHERN YELLOW PINE.</li> <li>PLYWOOD (TELEPHONE BACKBOARD): 3/4" THICK A-D INTERIOR.</li> <li>B. PRESSURE TREATED LUMBER AND PLYWOOD: WHERE SHOWN AND AS REQUIRED BY THE LOCAL JURISDICTION, PROVIDE FIRE RETARDANT</li> </ul>	<ul> <li>FINISH AS REQUIRED TO COMPLY WITH FIRE RESISTANCE RATING AND ACOUSTICAL RATINGS.</li> <li>b. LEVEL 2: GYPSUM WALLBOARD SUBSTRATES AT TILE, EXCEPT REMOVE TOOL MARKS AND RIDGES.</li> <li>c. LEVEL 3: GYPSUM WALLBOARDS SURFACES, WHERE TEXTURED FINISHES WILL BE USED OR HEAVY VINYL WALL COVERING.</li> <li>d. LEVEL 4: GYPSUM WALLBOARD SURFACES, EXCEPT WHERE ANOTHER FINISH LEVEL IS INDICATED.</li> <li>B. SUSPENDED ACOUSTICAL CEILING:</li> <li>1.COMPLY WITH THE APPLICABLE PROVISION OF THE FOLLOWING: ASTM C635 - METAL SUSPENSION SYSTEM FOR ACOUSTICAL TILE AND LAY-IN PANEL CEILINGS: ASTM C363 - INSTALLATION OF METAL CEILING SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-INPANELS; ASTM E480 - STANDARD PRACTICE FOR APPLICATION OF CEILING SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-INPANELS; IN AREAS REQUIRING SEISMIC RESTRAINTS (IF SEISMIC RESTRAINTS ARE REQUIRED BY THE LOCAL JURISDICTION)</li> <li>2.GRID SYSTEM: PROVIDE GRID SYSTEM WHERE SHOWN ON THE DAWING AS MANUFACTURED BY ARMSTRONG.</li> <li>a. 15/16''. STRUCTURAL CLASSIFICATION: MEDIUM DUTY: SEISMIC CATEGORY A, B, C.</li> <li>b. ATTACHMENT DEVICES SIZE FOR 5 TIMES DETING LOAD INDICATED IN ASTM C635, TABLE 1 DIRECT HUNG UNLESS OTHERWISE INDICATED.</li> <li>c. WIRE FOR HANGER AND TIES: ASTM A641, CLASS 1 ZINC COATING, SOFT TEMPER, PRE-STRETCHED, WITH A WIELD STRESS LOAD OF AT LEAST 3 TIMES DESIGN LOAD, BUT NOT LESS THAN 12 GAUGE.</li> <li>d. COLOR: WHITE</li> <li>3.ACOUSTICAL CEILING PANELS: PROVIDE ACOUSTICAL CEILING PANELS WHERE SHOWN ON THE DRAWINGS AS MANUFACTURED BY ARMSTRONG WORLD INDUSTRIES, INC.</li> <li>a. FLAME SPREAD/FIRE RESISTANCE: CLASS A: FLAME SPREAD 25 OR LESS PER ASTM E1264.</li> <li>b. TYPE, SIZE, COLOR: REFER TO DRAWINGS.</li> <li>4.EXTRA STOCK: PROVIDE CEILING TILE STOCK FOR OWNER'S USE. INCLUDE 1 CARTON OF EACH TYPE OF PANELS USED.</li> </ul>	BAY NETS INTERIOR GRAPHIC FURNITUR GOLFTEC EQUIPME	TS AND BAFFLES R SIGNAGE AND CS IRE AND FIXTURES C TECH	WC-1 / DINOC INCLUDES FRAMES AND HARDWARE ALL INTERIOR BAY DESKS/ CHAIRS LOBBY FURNITURE LOBBY FIXTURES	WITH GC CONFIRMATION         OWNER/ GOLFTEC PROVIDED         WITH GC CONFIRMATION         OWNER/ GOLFTEC PROVIDED         WITH GC CONFIRMATION         OWNER/ GOLFTEC PROVIDED         OWNER/ GOLFTEC PROVIDED         OWNER/ GOLFTEC PROVIDED	GC INSTALLED (WALL PAPER TYPE INSTALL) GC INSTALLED INSTALLED BY OTHERS INSTALLED BY OTHERS - GC RESPONSIBLE FOR RUNNING HDMI AND S- VIDEO CABLES - GC RESPONSIBLE FOR TV	

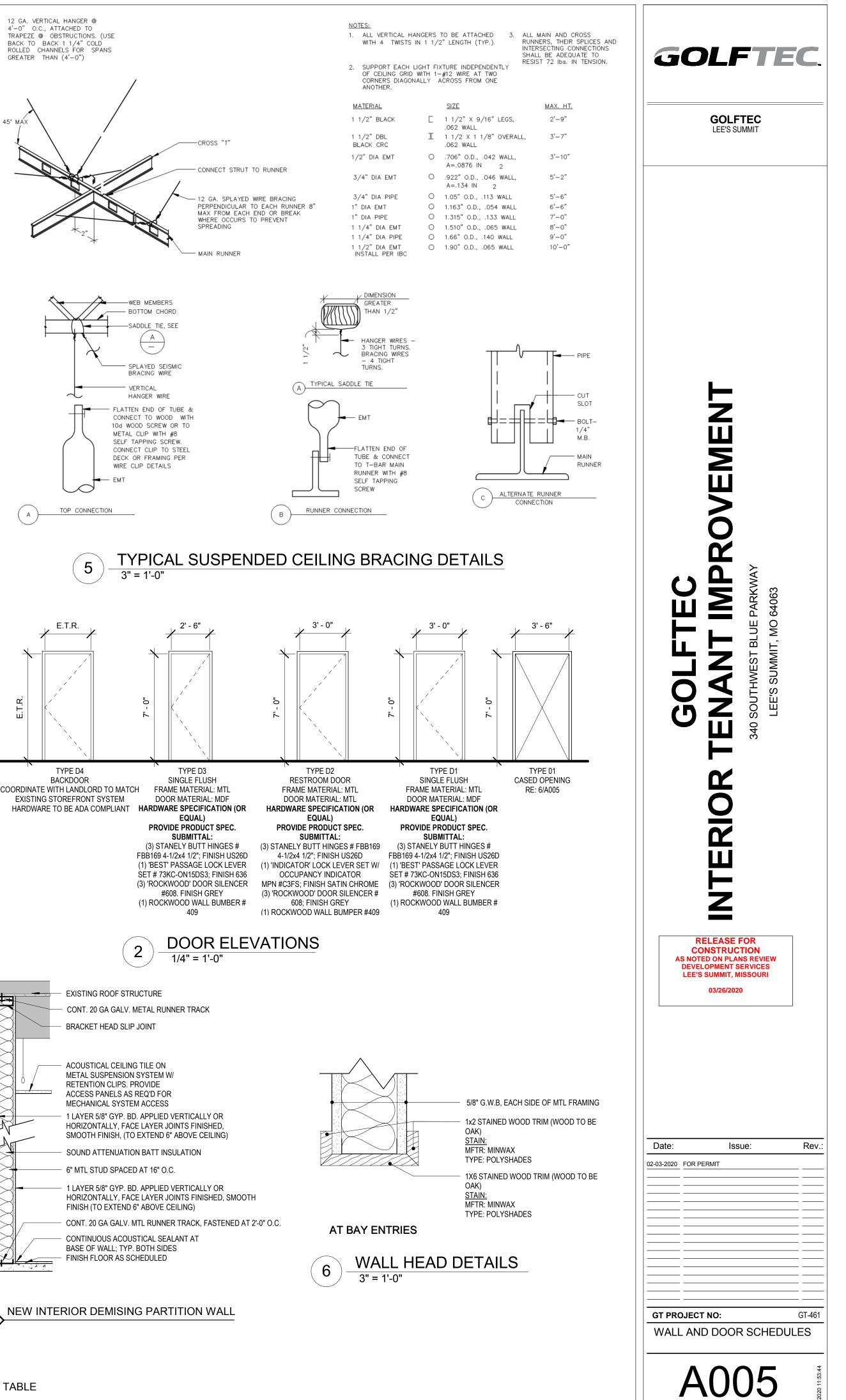


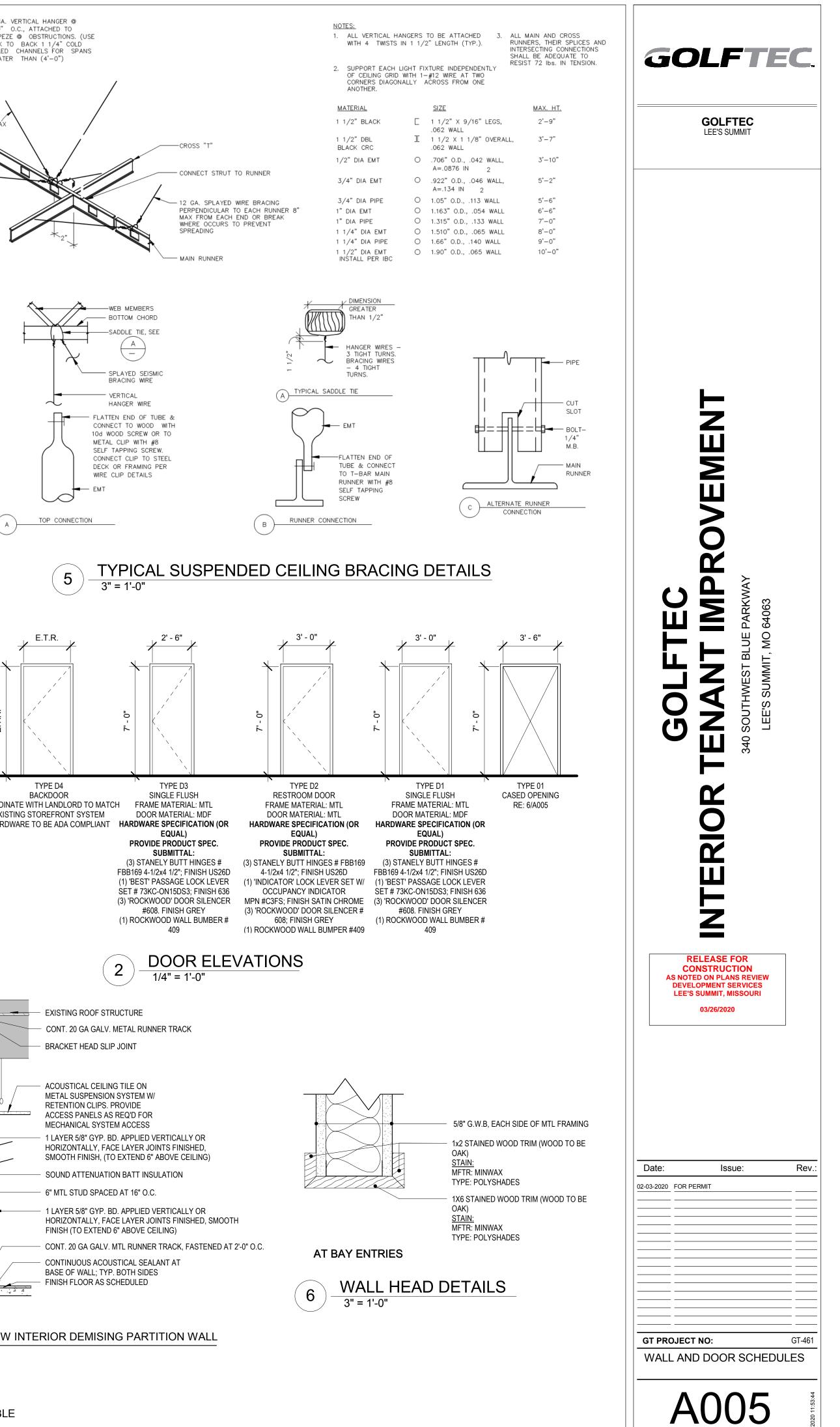
GOLFTEC LEE'S SUMMIT

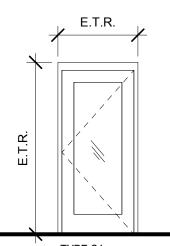
		INTERIOR TENANT IMPROVEMENT	340 SOUTHWEST BLUE PARKWAY	LEE'S SUMMIT, MO 64063	
	AS N DE	RELEA: CONSTR OTED ON I VELOPMEI E'S SUMM 03/26	RUCTIC PLANS F NT SERV	<b>DN</b> REVIEW /ICES	
Date:		ls	sue:		Rev.:
02-03-2020					
GT PRO		NO: ECIFIC	ATIO	NS	GT-461
	A	0	02	4	1/31/2020 11:53:42



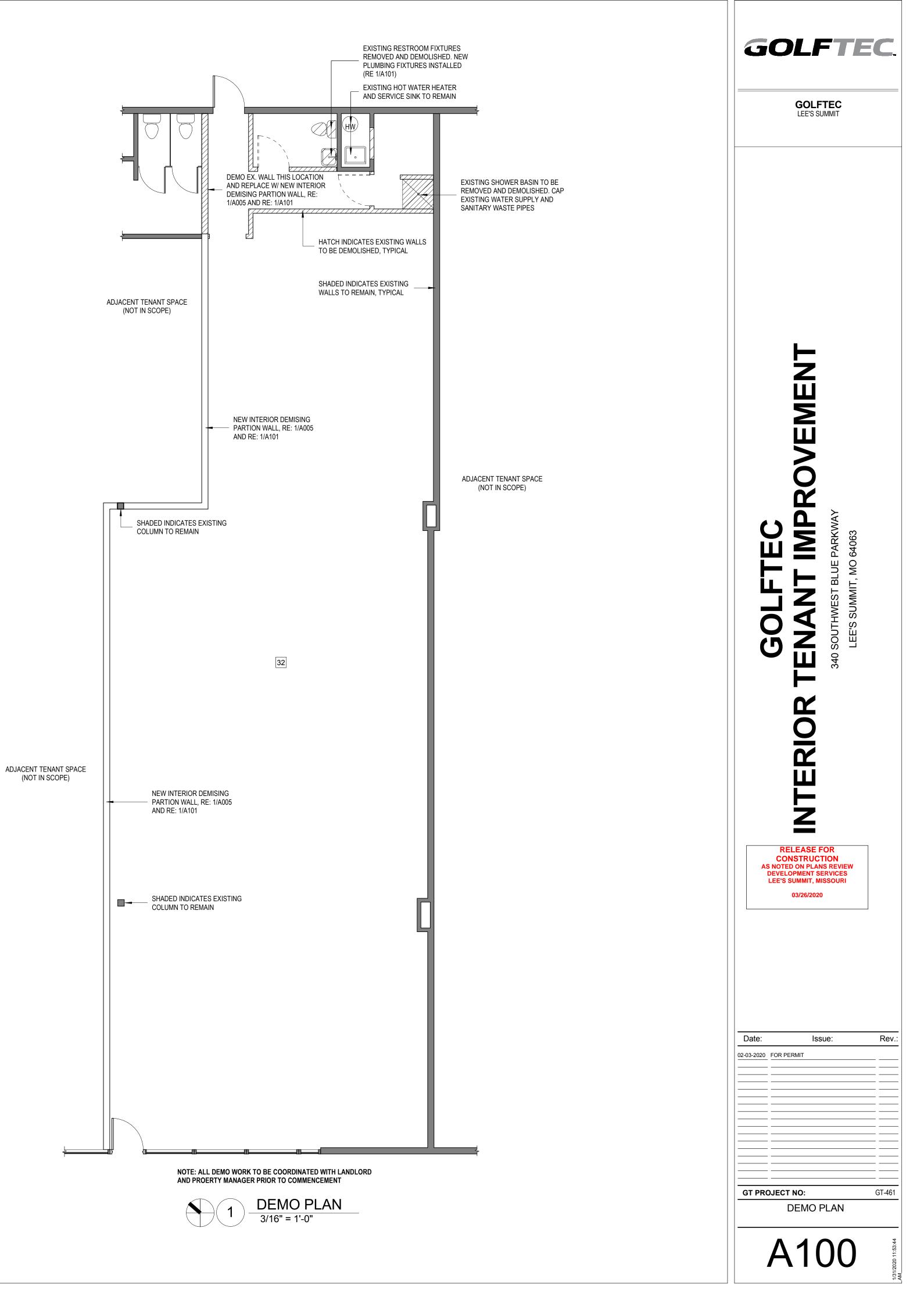
CFS HEADER SCH	EDULE (INTERIOR NON-LOAD	BEARING WALLS)
OPENING	HEADER	JAMB
0'-0" TO 8'-0"	(2) 600S162-33 + (2) STUD DEPTH T150-33	MIN (2) 362S162-33 (16'-0" MAX HGT) MIN (2) 600S162-33 (20'-0" MAX HGT)
8'-1" TO 10'-0"	(2) 800S162-33 + (2) STUD DEPTH S162-33	MIN (2) 362S162-33 (14'-0" MAX HGT) MIN (2) 600S162-33 (20'-0" MAX HGT)
10'-1" TO 12'-0"	(2) 1000S162-54 + (2) STUD DEPTH S162-54	MIN (2) 362S162-33 (14'-0" MAX HGT) MIN (2) 800S162-33 (20'-0" MAX HGT)
12'-1" TO 16'-0"	(2) 1200S162-54 + (2) STUD DEPTH S162-33	MIN (2) 600S162-33 (14'-0" MAX HGT) MIN (2) 800S162-54 (20'-0" MAX HGT)
16'-1" TO 20'-0"	(3) 1200S162-54 + (2) STUD DEPTH S162-33	MIN (2) 600S162-33 (14'-0" MAX HGT) MIN (2) 800S162-54 (20'-0" MAX HGT)

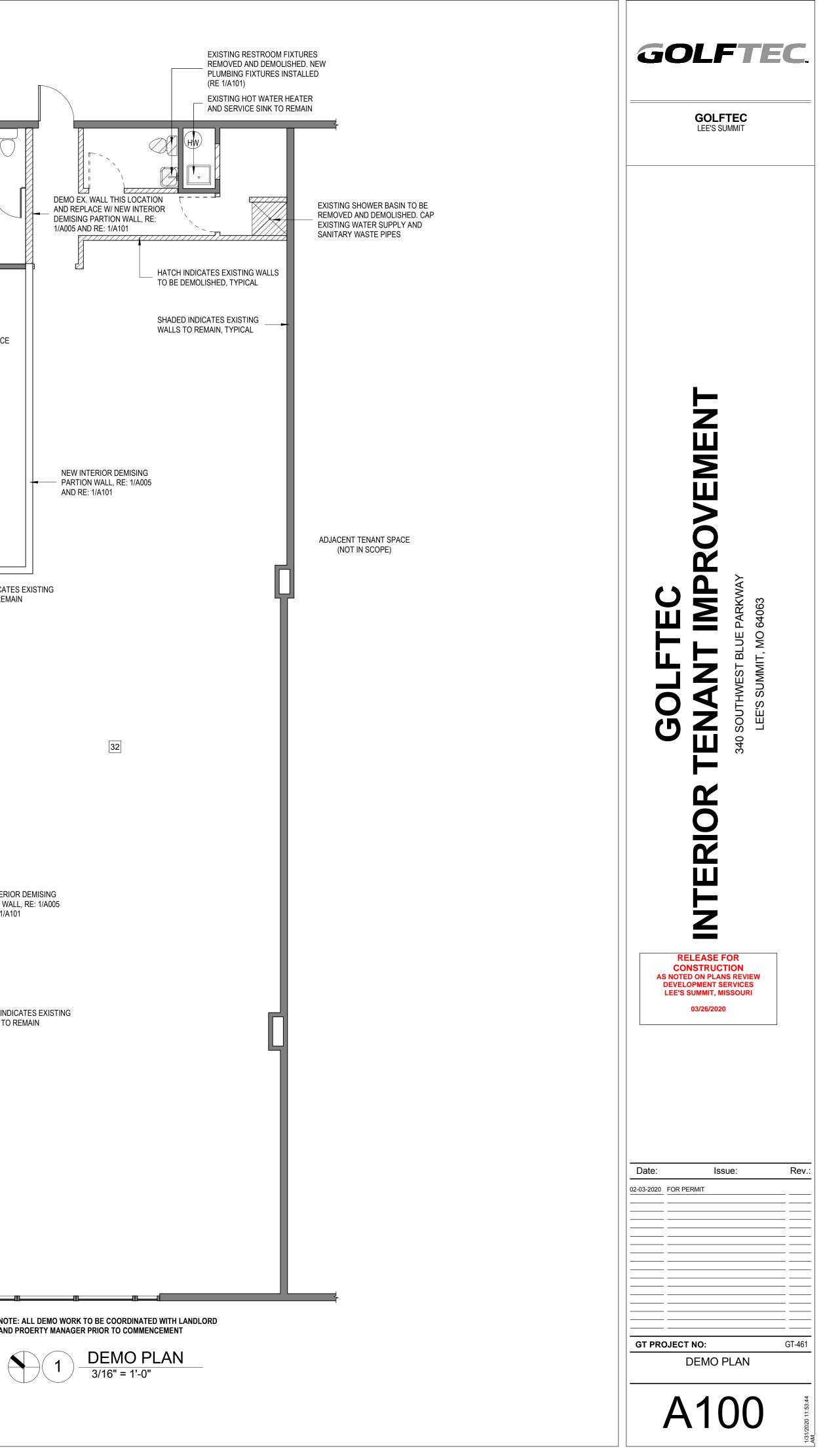




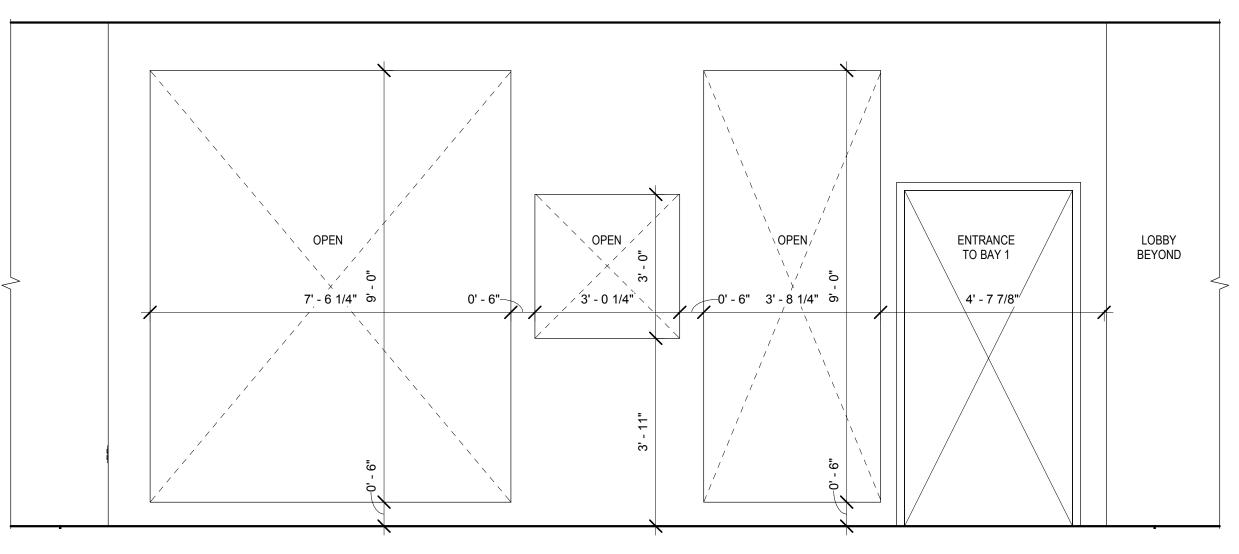


WALL TYPE	E LEGEI	ND	
		EXISTING WALL	
		NEW WALL	
		WALL TO BE DEMOLISHED	
· · · ·		DOOR TO BE DEMOLISHED	
KEYNOTE LEGEND			
KEY VALUE		KEYNOTE TEXT	
32	DEMO ALL	INTERIOR FINISHES	

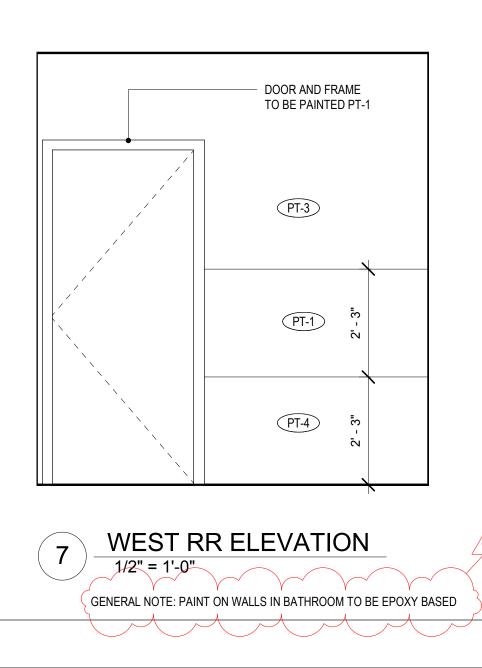


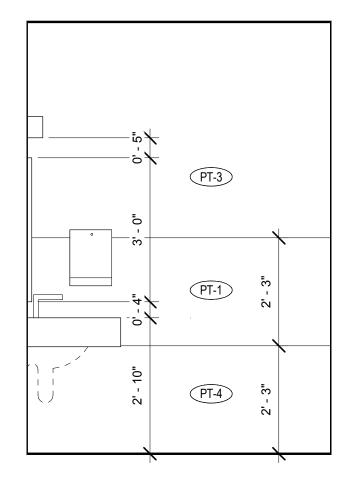


WALL TYPE	ELEGEND
	EXISTING WALL
	NEW WALL
	WALL TO BE DEMOLISHED
· · · -	DOOR TO BE DEMOLISHED
	KEYNOTE LEGEND
KEY VALUE	KEYNOTE TEXT
1	PROVIDE ALLOWANCE FOR 4-1/2" CONCRETE CORE DRILLED PUTTING HOLES. COORDINATE REQUIREMENTS AND EXACT LOCATIONS OF PUTTING HOLES WITH GOLFTEC. MAINTAIN INTEGRITY OF FLOOR AND RATED ASSEMBLIES
35	(2) 18" DEEP MDF SHELVES TO BE MOUNTED TO WALL @ 82" A.F.F AND 100" A.F.F DASHED LINE INDICATES EXTENT OF SHELVING
62	FLOAT FLOOR UNDERNEATH LOBBY PUTTING GREEN. CONSULT GOLFTEC PM FOR SPECIFICATIONS.
64	PROVIDE BACKER BOARD FOR MOUNTING OF PUTTER RACK. 6" HIGH BY 5'-0" LONG, MOUNTED AT 4" A.F.F.
67	POWER TO BE PROVIDED FOR EXTERIOR SIGNAGE;COORDINATE WITH GOLFTEC PM
73	PROVIDE FULL HEIGHT BLOCKING AT 18" OFF BACK WALL FOR FUTURE NET INSTALL; 2 x 8 WOOD BLOCKING, TURNED TO RUN BEHIND INTERIOR BAY WALL GYP.
PLUMBING	SPECIFICATIONS LEGEND
	DRINKING FOUNTAIN ELKAY EZH20® BOTTLE FILLING STATION, VERSATILE BI-LEVEL EZ COOLER; MODEL: EZSTL8WS
$\bigcirc$	WATER CLOSET: AMERICAN STANDARD 3483.001.020 CADET FLOWISE™ RIGHT HEIGHT™ ELONGATED PRESSURE-ASSISTED TOILET 1.1 GPF / 4.2 LPF
	SINK: SCARABEO 3009 WALL MOUNTED BATHROOM SINK
Ċ	FAUCET: AMERICAN STANDARD; MOMENTS SELECTRONICR ELECTRONIC PROXIMITY LAVATORY FAUCET CAST BRASS SPOUT, BATTERY POWERED
$\bigcirc$	MIRROR: 36" ROUND RECTANGULAR WITH BEVELED EDGES, FAB GLASS AND MIRROR OR EQL.
	TOILET PAPER DISPENSER: BOBRICK B-2888 TOILET TISSUE DISPENSER, MULTI-ROLL, STAINLESS STEEL
۵	SOAP DISPENSER: BOBRICK B-2111 COMMERCIAL SOAP DISPENSER, STAINLESS STEEL, SURFACE MOUNT
	PAPER TOWEL DISPENSER: B-262 CLASSIC SERIES SURFACE-MOUNTED PAPER TOWEL DISPENSER



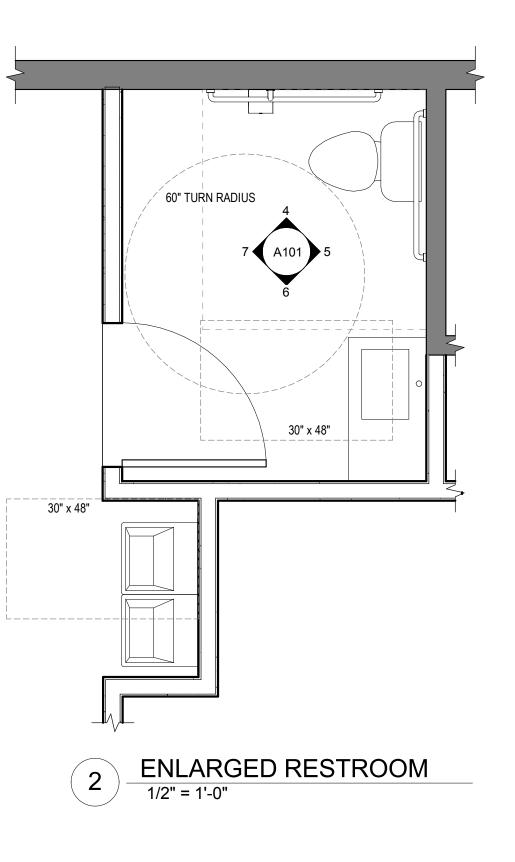
INTERIOR ELEVATION AT SEE- THROUGH SHAFT WALL 1/2" = 1'-0" 3

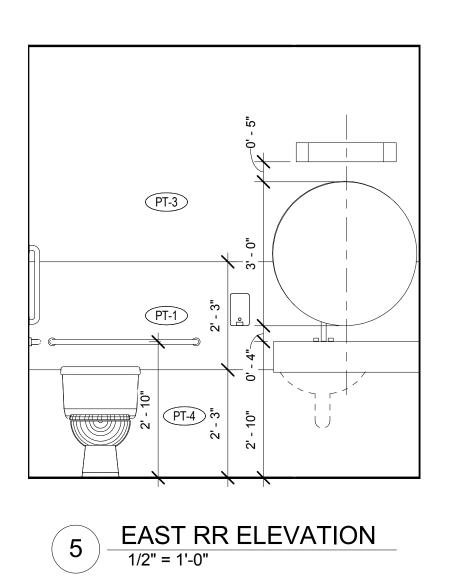


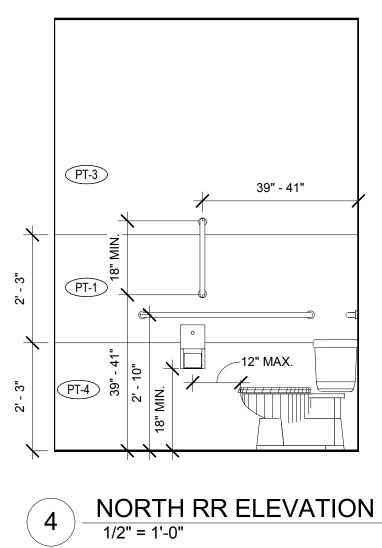


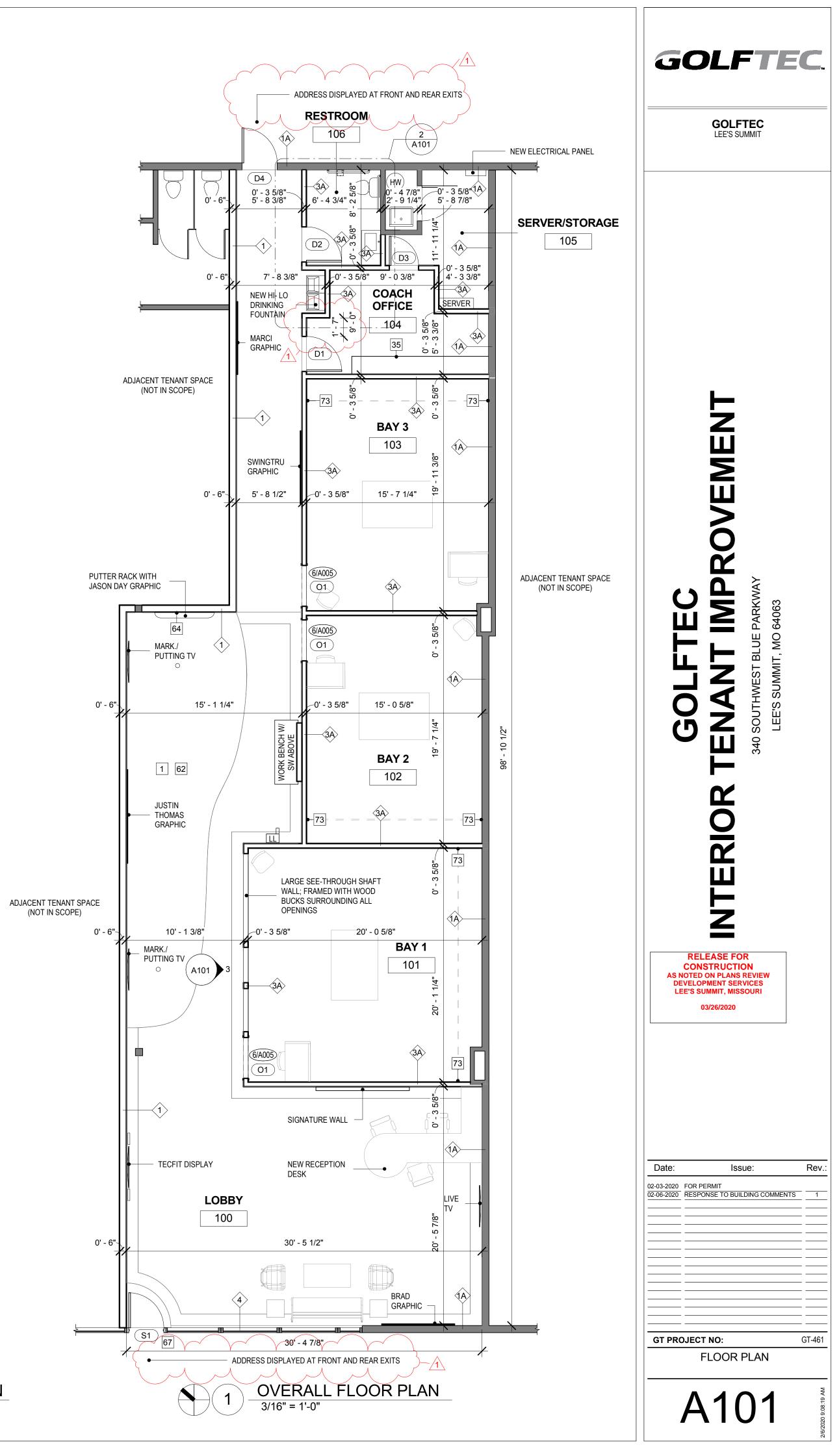


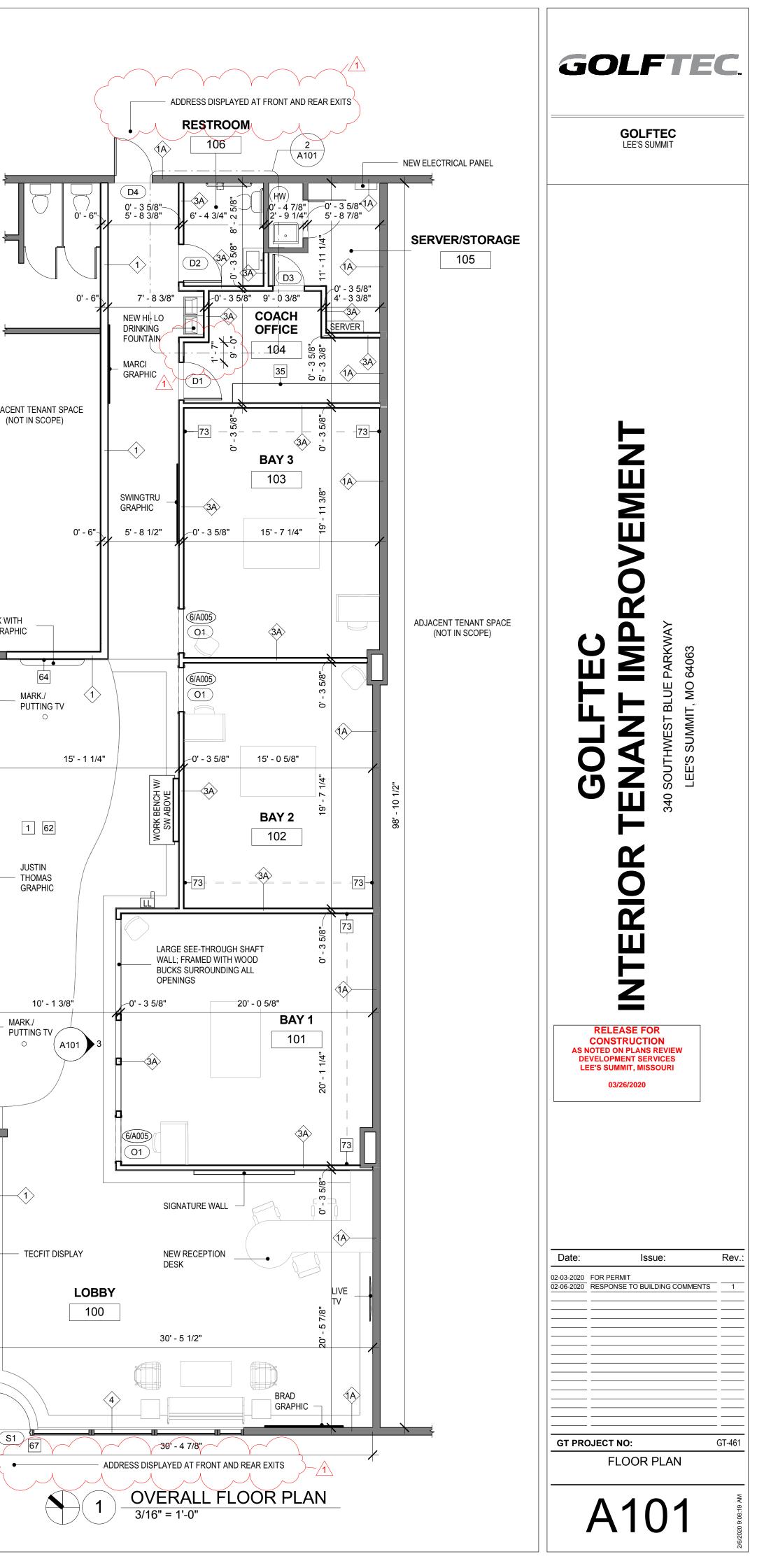
SOUTH RR ELEVATION

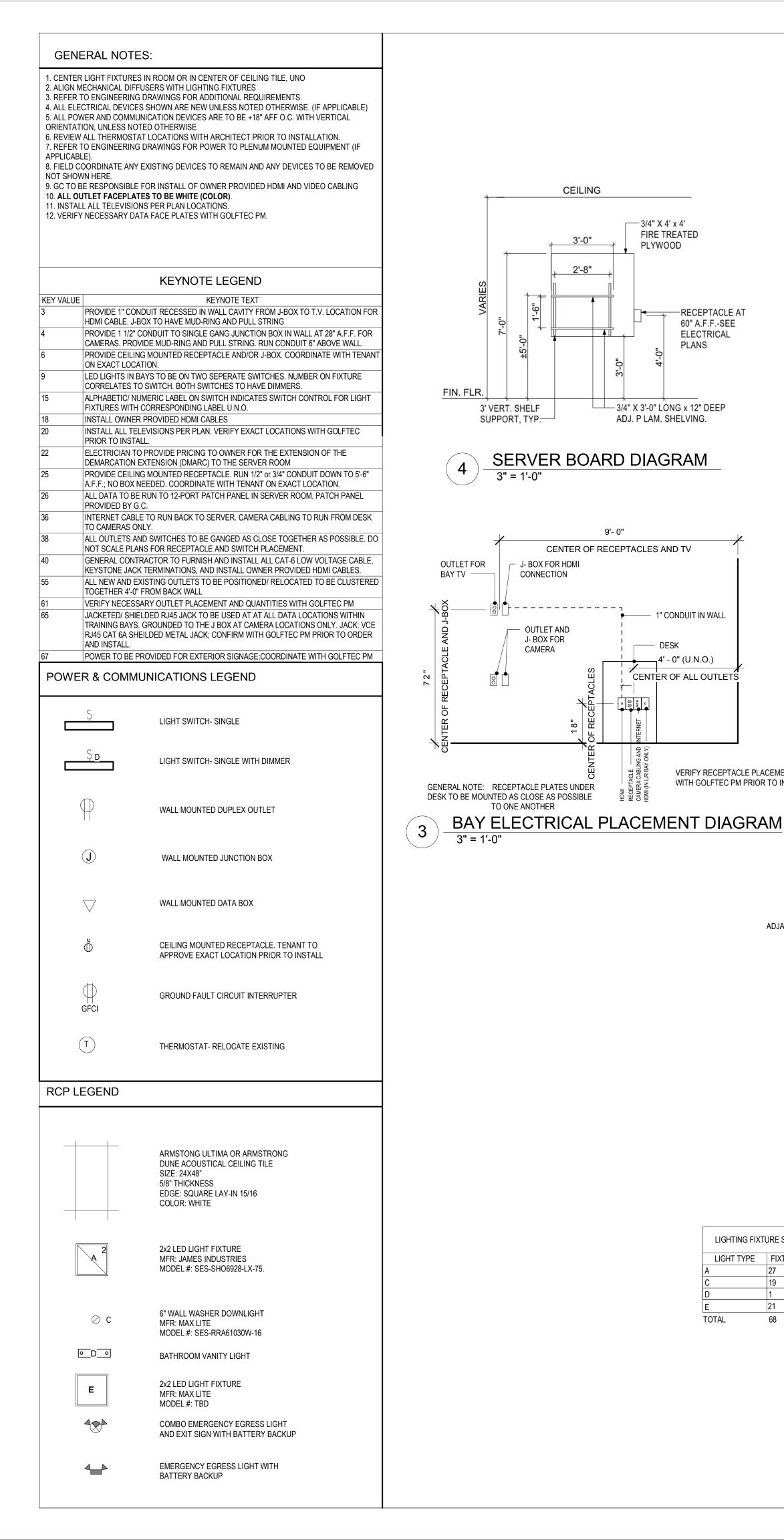












TOTAL

— 3/4" X 4' x 4'

PLYWOOD

FIRE TREATED

-RECEPTACLE AT

60" A.F.F.-SEE

ELECTRICAL

PLANS

— 1" CONDUIT IN WALL

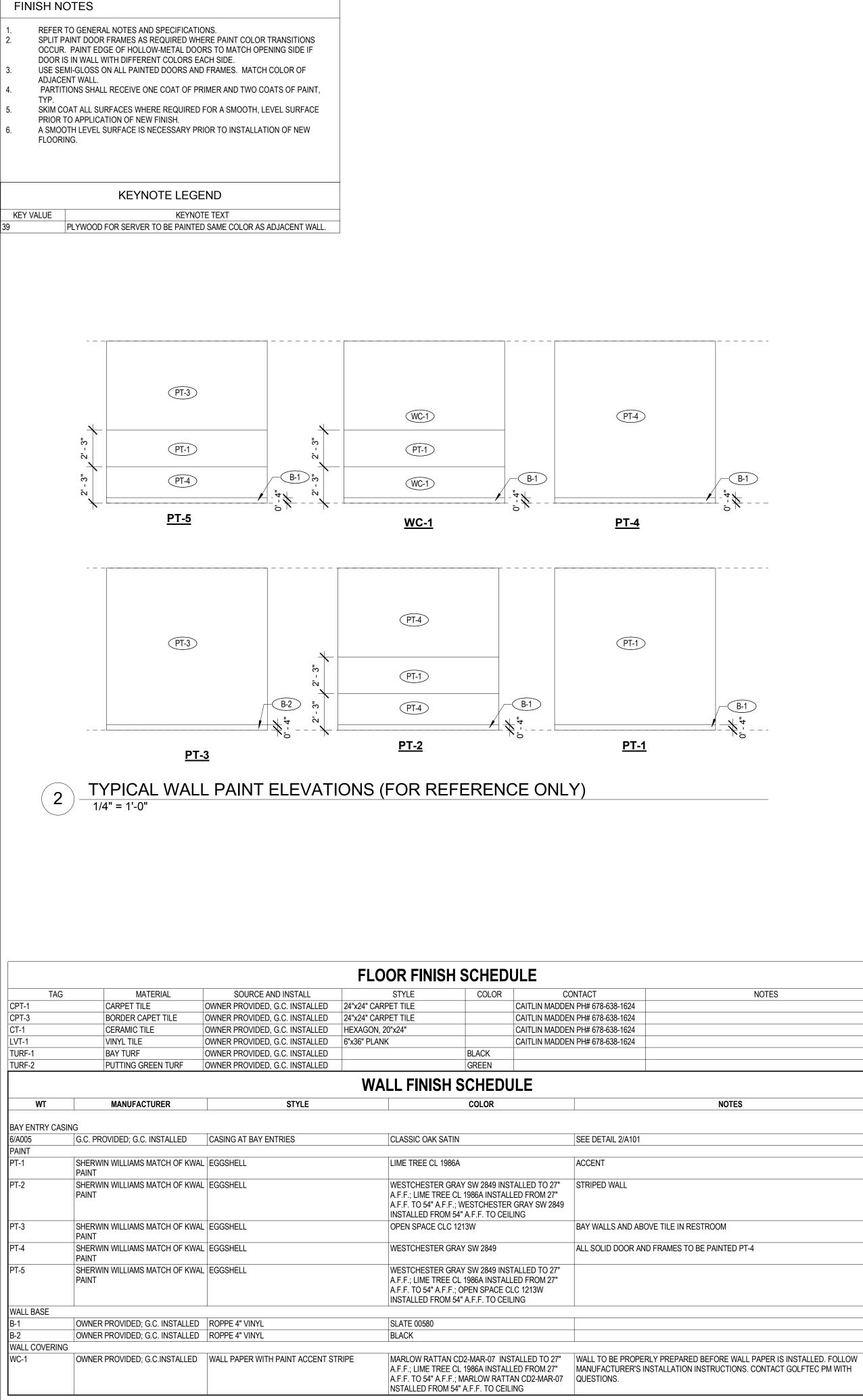
\_\_\_4' - 0" (U.N.O.)

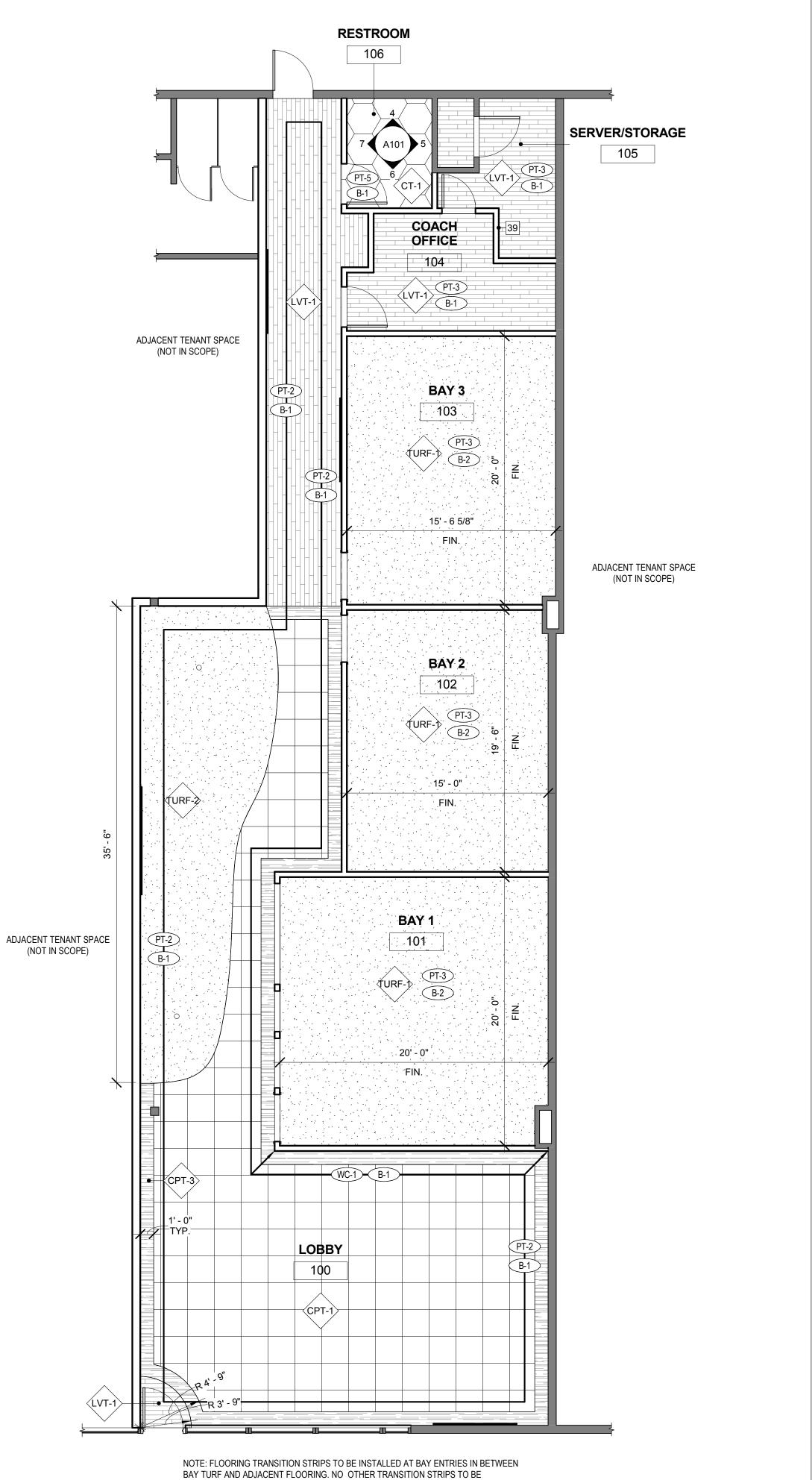
CENTER OF ALL OUTLETS

- DESK

| 물 놀







INSTALLED BETWEEN OTHER FLOORING MATERIAL TRANSITIONS IN ANY OTHER

NOTES NOTES

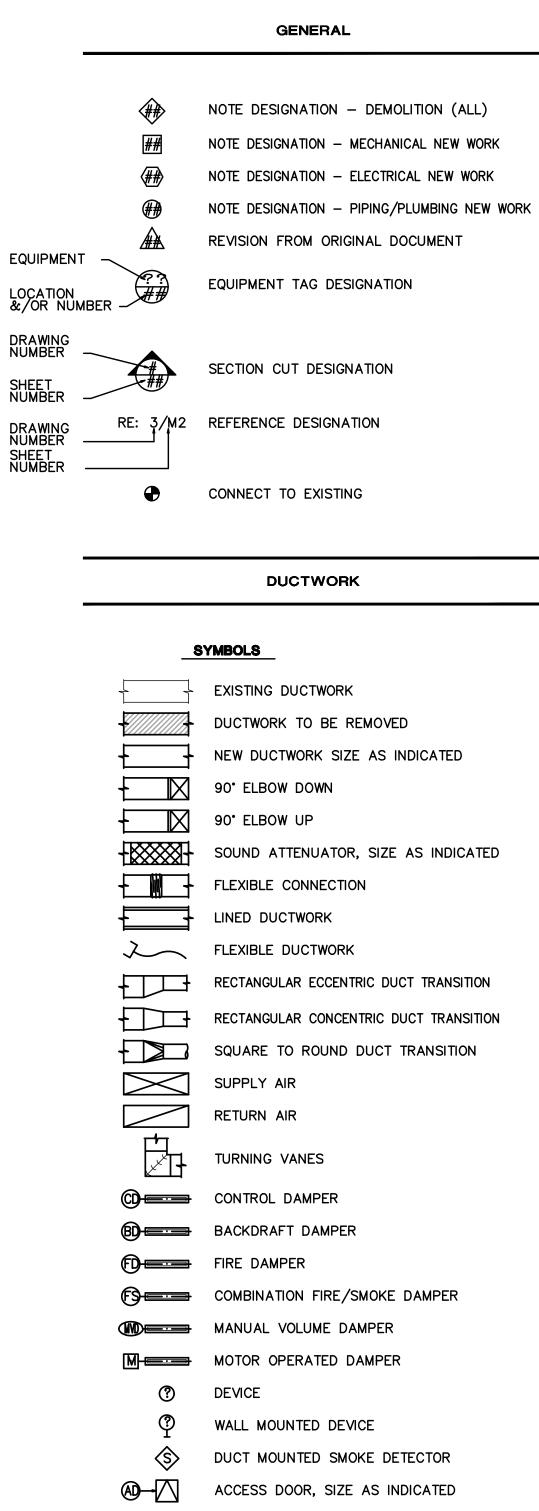
B-1

LOCATION.



GOLFTEC. GOLFTEC LEE'S SUMMIT
GOLFTEC         BULERIDIR LENANT IMPROVEMENT         340 SOUTHWEST BLUE PARKWAY         LEES SOUMIT. MO 64063
03/26/2020         Date:       Issue:       Rev.:         02-03-2020       FOR PERMIT
GT PROJECT NO: GT-461 FINISH FLOOR PLAN & SCHEDULES A103 B*ES:11 0707/F/L

FINISH PLAN 3/16" = 1'-0"



DEVICE TYPE DEVICE TYPE

THERMOSTAT

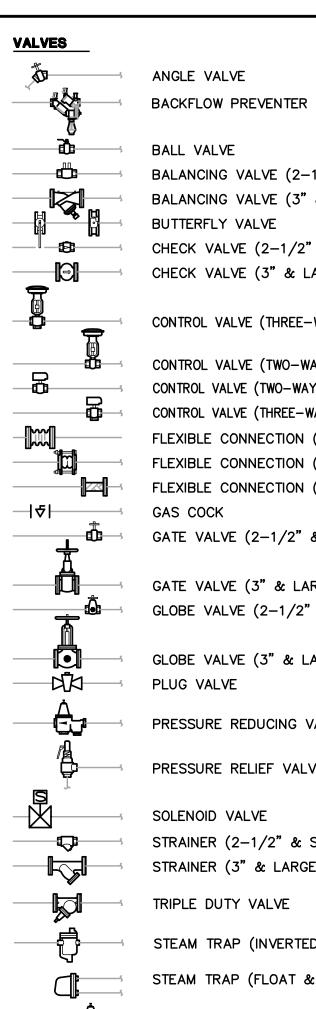
1

### ABBREVIATIONS

ABOVE FINISHED FLOOR
AIR HANDLING UNIT
BOTTOM OF DUCT
CENTER LINE
CUBIC FEET PER MINUTE
CEILING DIFFUSER
DIFFERENTIAL PRESSURE
RETURN GRILLE

SUPPLY/EXHAUST AIR DEVICE DESIGNATION

RETURN AIR DEVICE DESIGNATION



\_\_\_\_

BALL VALVE BALANCING VALVE (2-1/2" & SMALLER)BALANCING VALVE (3" & LARGER) BUTTERFLY VALVE CHECK VALVE (2-1/2" & SMALLER) CHECK VALVE (3" & LARGER)

CONTROL VALVE (THREE-WAY, PNEUMATIC)

CONTROL VALVE (TWO-WAY, PNEUMATIC) CONTROL VALVE (TWO-WAY, MOTORIZED) CONTROL VALVE (THREE-WAY, MOTORIZED) FLEXIBLE CONNECTION (BELLOWS TYPE) FLEXIBLE CONNECTION (CONVOLUTE TYPE) FLEXIBLE CONNECTION (BRAIDED SS TYPE) GAS COCK

 $\blacksquare$  GATE VALVE (2–1/2" & SMALLER)

GATE VALVE (3" & LARGER) GLOBE VALVE (2-1/2" & SMALLER)

> GLOBE VALVE (3" & LARGER) PLUG VALVE

PRESSURE REDUCING VALVE (WATER)

PRESSURE RELIEF VALVE

SOLENOID VALVE

STRAINER (2-1/2" & SMALLER) STRAINER (3" & LARGER)

TRIPLE DUTY VALVE

STEAM TRAP (INVERTED BUCKET)

STEAM TRAP (FLOAT & THERMOSTATIC)

PRESSURE REDUCING VALVE (STEAM)

### BUILDING SYSTEMS

∽−CA−−−∙

Ð

\_\_\_\_

, 04 ,	COM
⊱—€HWS—	CHILL
⊱—€HW <del>R</del>	CHILL
⊱CWFT'	COND
└───€₩TT───┘	COND
،CD`	COND
۶۲	DRAI
۲0S−−۰	FUEL
۶−−−۲OR−−−۰	FUEL
۶−−−۲	HEAT
۶−−−۲ HPWR	HEAT
۶−−− HPS−−−۰	HIGH
۰	HIGH
۶ <del>−−−</del> HHWS−−−۲	HEAT
۶ <del>−−−−</del>	HEAT
۲−۰ HPS	HIGH
۰	HIGH
۰۲۵۲	LOW
↓ LPC	LOW
۶−−− MPS−−−۰	MEDIL
۰MPG	MEDIL
۰NG	NATU
۶PC	PUMF
۶ <del>−−−−−</del> ۲	REFR

COMPRESSED AIR PIPING LED WATER SUPPLY PIPING LED WATER RETURN PIPING IDENSER WATER FROM TOWER IDENSER WATER TO TOWER IDENSATE DRAIN PIPING . OIL SUPPLY OIL RETURN PUMP WATER SUPPLY PUMP WATER RETURN PRESSURE STEAM PRESSURE CONDENSATE TING HOT WATER SUPPLY TING HOT WATER RETURN PRESSURE STEAM PRESSURE CONDENSATE PRESSURE STEAM PRESSURE CONDENSATE NUM PRESSURE STEAM NUM PRESSURE CONDENSATE URAL GAS IPED CONDENSATE REFRIGERANT

0	CEILING MOUNTED SMOKE DETECTOR (NUMBER INDICATES CANDELA RATING). MOUNT DEVICE AT 6'-8" AFF UNLESS OTHERWISE NOTED.	NE PC	NUR PULI WAL CEN
F1 <sub>5CD</sub>	WALL-MOUNTED FIRE ALARM HORN (NUMBER INDICATED CANDELA RATING). MOUNT DEVICE AT 6'-8" AFF UNLESS OTHERWISE NOTED.	NE CB	NUR (COI WAL
FA 15CD	WALL-MOUNTED FIRE ALARM HORN/STROBE (NUMBER INDICATES CANDELA RATING). MOUNT DEVICE AT 6'-8" AFF UNLESS OTHERWISE NOTED.	NCM	OF I
15CD	CEILING MOUNTED FIRE ALARM HORN/STROBE (NUMBER INDICATES CANDELA RATING).	PS	NUR IN F
	NURSE CALL SINGLE DOME LED LIGHT INSTALLED ABOVE DOOR.	SS	nur Com Finis
<b>a</b>	NURSE CALL DOME/ZONE LIGHT WITH MULTIPLE LED LIGHTS INSTALLED AT CORRIDOR		INDI
(AP)	INTERSECTIONS.	Ø	LOW HEA
<b>~</b>	WRELESS ACCESS POINT DEVICE		CAL SPE

à			ELECTRICAL
FITTINGS & ACCE		POWER	
			HOMERUN TO PANELBOARD. NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS.
₽ <sup>AV</sup> ₽ <sup>MV</sup>	AIR VENT (AUTOMATIC/MANUAL)		CONDUIT EXPOSED OR IN CEILING CONSTRUCTION.
Ţ Ţ	AIR VENT (AUTOMATIC/MANUAL)	<del> </del>	#12 THHN WIRE IN CONDUIT UNLESS NOTED OTHERWISE. SIZE PER LATEST N.E.C.
	BLIND FLANGE	<del></del> JJ	"J" HOOK RACEWAY MADE FROM 6" ADJUSTABLE PIPE HANGERS (B—LINE MOD. B3690 OR EQUAL) SUPPORTED FROM STRUCTURE BY 5/8" ALL THREAD.
	САР	<b></b>	GROUND WIRE IN CONDUIT.
C.Oo- C.Ou	CLEAN OUT (FLOOR/WALL)		DISCONNECT SWITCH - UN-FUSED TYPE
,di	CONCENTRIC REDUCER		MOTOR STARTER
- -	ECCENTRIC REDUCER		FUSED DISCONNECT
, v ,			COMBINATION DISCONNECT SWITCH AND MOTOR STARTER.
X-4	ELBOW 45°	\$	DUPLEX GROUNDING TYPE RECEPTACLE OUTLET - RATED 20-AMP.
±,,	ELBOW 90°	<b></b>	DUPLEX GROUNDING TYPE RECEPTACLE OUTLET - ON EMERGENCY POWER
O⊢⊸	ELBOW 90° UP	<b>₽</b>	DOUBLE DUPLEX GROUNDING TYPE RECEPTACLE OUTLET
C⊢	ELBOW 90' DOWN		DUPLEX GROUNDING TYPE RECEPTACLE OUTLET WITH WEATHERPROOF COVER. DUPLEX GROUND FAULT INTERRUPTER CIRCUIT TYPE RECEPTACLE OUTLET
\$\$	EXISTING PIPING TO REMAIN	GFCI	SIMPLEX 125-V., 2-POLE, 3-WIRE RECEPTACLE OUTLET - WALL OR FLOOR MOUNTED
FD 🧭	FLOOR DRAIN	<del>С</del> Ф <sub>ХР</sub>	SAME AS ABOVE - EXPLOSION PROOF
		₩ ¥	120–V, SPECIAL RECEPTACLE OUTLET
, <u>+нв</u>	HOSE BIBB	ب 10030	SIMPLEX 208–V., 3–POLE, 4–WIRE RECEPTACLE OUTLET
ss	NEW PIPING	r© <sub>XP</sub>	SAME AS ABOVE - EXPLOSION PROOF
· · · · · · · · · · · · · · · · · · ·	PIPE ANCHOR		SIMPLEX 480-V., 3-POLE, 4-WIRE RECEPTACLE OUTLET
		FOXP	SAME AS ABOVE - EXPLOSION PROOF
<u> </u>	PIPE GUIDE/SLEEVE	Ū	JUNCTION BOX
• <del>× × ×</del> •	PIPING TO BE REMOVED	J	12"x18" QUAZITE JUNCTION BOX
⊘ ₹	PRESSURE GAUGE WITH GAUGE C	OCK B	OUTLET BOX WITH BLANK COVER PLATE
τ <sup>-</sup> TPT			CLOCK HANGER OUTLET
3	PRESSURE/TEMPERATURE WELL (PETES		CONTACTOR
5- <b>1-1</b> -5	TEE		TRANSFORMER
	TEE, OUTLET DOWN	<i>∕</i> ⊙ <i>∕</i>	MOTOR
	TEE, OUTLET UP		120/208V PANELBOARD
	THERMOMETER	© <sub>P</sub>	277/480V PANELBOARD POKE THROUGH DEVICE FOR POWER
片		OF Of	POKE THROUGH DEVICE FOR POWER AND DATA
	UNION	Ð	POKE THROUGH DEVICE FOR DATA ONLY
'''''''''''''''''''''''''''''''''''''	VALVE IN RISER	÷	DUPLEX GROUNDING TYPE RECEPTACLE OUTLET, 15-AMP. TWIST-LOCK NEMA
		© <sub>30A</sub>	L5-15R ON TOP, AND NEMA 5-15R ON BOTTOM SIMPLEX 208/120-V., 3-POLE, 4-WIRE, RECEPTACLE OUTLET, SURFACE MOUNT TO
PLUMBING		€	FLOOR IN CAST BOX SIMPLEX 208-V., 20-AMP., 3-POLE, 4-WIRE RECEPTACLE OUTLET
CWs	COLD WATER PIPING	WP	WEATHER PROOF
	INDUSTRIAL COLD WATER	GFCI	GROUND FAULT INTERRUPTER
i₩i	INDIRECT WASTE OR IRRIGATION WA	XD.	EXPLOSION PROOF
	NON-POTABLE WATER	Ϋ́E	EMERGENCY STOP SWITCH
——HWs	HOT WATER PIPING	<b> </b>	DEVICE MOUNTED 6" ABOVE ABOVE COUNTER UNLESS NOTED OTHERWISE
	HOT WATER CIRCULATING PIPING	<b>\$</b>	FLOOR BOX WITH OUTLET INSTALLED FLUSH WITH FLOOR
SFT	SOFT WATER	SECURITY	
S₩	STORM WATER		CARD READER
TWs	TREATED WATER		DOOR MONITOR
TWS	TEMPERED WATER SUPPLY		MAGNETIC LOCK
TW <del>R</del>	TEMPERED WATER RETURN	Š	MOTION SENSOR
VAC	VACUUM	•	

### TEMPERATURE CONTROL

	FIRST	LETTER	SUCCEEDING LETTERS				
	MEASURED OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	м		
Α	ANALYSIS		ALARM				
В	BURNER, COMBUSTION		USERS CHOICE	USERS CHOICE	USEF		
С	USERS CHOICE			CONTROL			
D	USERS CHOICE	DIFFERENTIAL					
Е	VOLTAGE	DIFFERENTIAL	SENSOR (PRIMARY ELEM	ENT)			
F	FLOW RATE	RATIO (FRACTION)	FEEDBACK				
G	USERS CHOICE		GLASS VIEWING DEVICE				
Н	HAND				HIGH		
Ι	CURRENT (ELECTRICAL)		INDICATE				
J	POWER	SCAN	INDICATE				
к	TIME, TIME SCHEDULE	TIME RATE OF CHAN	IGE	CONTROL STATION			
L	LEVEL		LIGHT				
М	USERS CHOICE	MOMENTARY	LIGHT		MIDDI		
Ν	USERS CHOICE		USERS CHOICE	USERS CHOICE	USEF		
0	USERS CHOICE		ORIFICE RESTRICTION				
Ρ	PRESSURE, VACUUM		POINT (TEST) CONNECTI	ON			
Q	QUANTITY	INTEGRATE, TOTALIZE					
R	RADIATION		RECORD				
S	SPEED, FREQUENCY	SAFETY		SWITCH			
Т	TEMPERATURE			TRANSMIT			
U	MULTI-VARIALBE		MULTI-FUNCTION	MULTI-FUNCTION	MUL		
V	VIBRATION, MECHANICAL ANA	LYSIS		VALVE DAMPER, LOUV	ÉR		
W	WEIGHT, FORCE		WELL				
Х	UNCLASSIFIED	X AXIS	UNCLASSIFIED	UNCLASSIFIED	UNCI		
Y	EVENT, STATE OR PRESEN	CE Y AXIS		RELAY, COMPUTE CON	IVERT		
Z	POSITION, DIMENSION	Z AXIS	UNCLASSIFIED	DRIVER, ACTUATOR, UNCLASSIFIED, FINAL CONTROL ELEMENT	UNCI		

### PROCESS

**└────** 

5

۶ <u>←</u> AC	ACETYLENE
\$ <u> </u>	ACID WASTE
۶ <del>۰۰۰۰</del> AR-۰۰	ARGON
S-CIPS	CLEAN IN PLACE SUPPLY PIPING
۶−−−CIPR−−−−۰	CLEAN IN PLACE RETURN PIPING
⊱CS	CLEAN STEAM PIPING
⊱D s	DE-IONIZED WATER
۶−−−−DS−−−−۰	DISTILLED WATER
₅—GNs	GASEOUS NITROGEN
۶−−−−۲E−−−−۰	HELIUM
۶−−−−۲	HYDROGEN
۶۰۰۰۰۰۲ LN	LIQUID NITROGEN
⊱NGs	NATURAL GAS
۶ <u>−−−−</u> ۲	NITROUS OXIDE
۶−−−۲ PCA−−−۰	PROCESS COMPRESSED AIR
۶ <u>ـــــ</u>	PROPANE

VENT

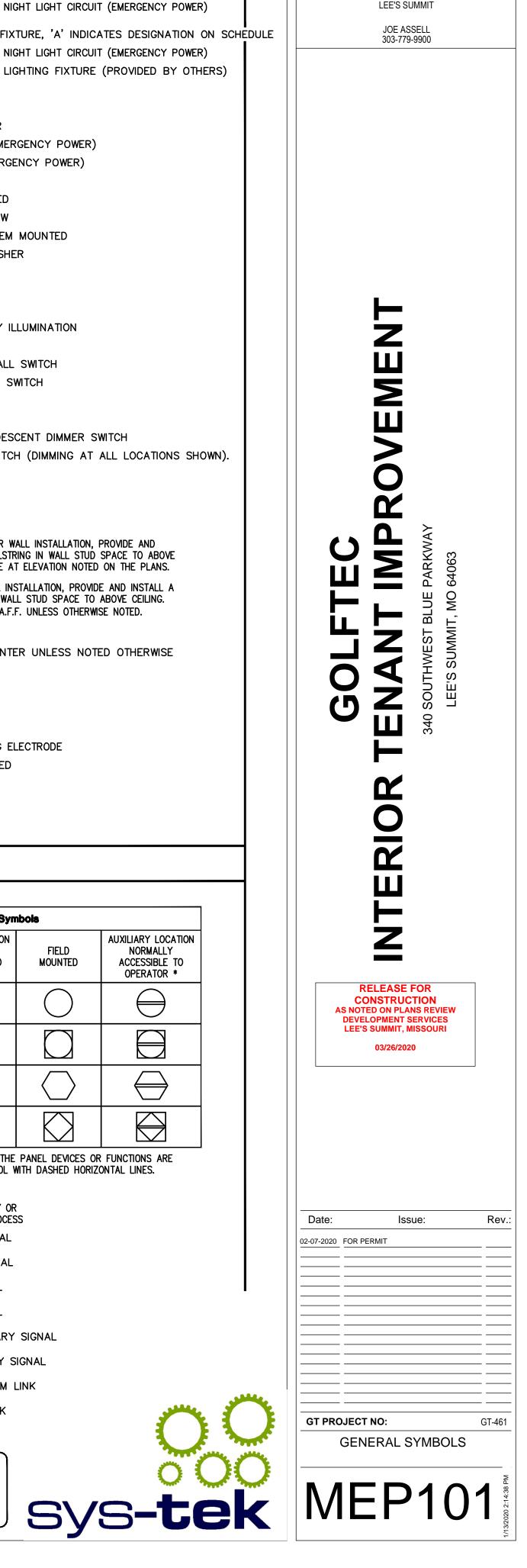
WASTE

### FIRE DETECTION

JRSE CALL EMERGENCY CALL STATION WITH JLL CORD. INSTALL IN SINGLE GANG BOX AT ALL HEIGHT ABOVE FINISHED FLOOR TO ENTERLINE OF BOX AS INDICATED ON PLAN. JRSE CALL EMERGENCY CALL CODE STATION ODE BLUE). INSTALL IN SINGLE GANG BOX AT ALL HEIGHT ABOVE FINISHED FLOOR CENTERLINE F BOX AS INDICATED ON PLAN. RSE CALL MASTER STATION. JRSE CALL SINGLE PATIENT STATION INSTALLED PATIENT HEADWALL ABOVE BED. JRSE CALL STAFF STATION WITH VISUAL/AUDIO DMMUNICATION. INSTALL AT WALL HEIGHT ABOVE VISHED FLOOR TO CENTERLINE OF BOX AS DICATED ON PLAN. W VOLTAGE CONTROLLER LOCATION IN PATIENT ADWALL SYSTEM FOR CONNECTION TO NURSE LL SYSTEM DEVICES (HEADWALL LIGHTS, PILLOW EAKER, BED SIDERAIL, ETC.)

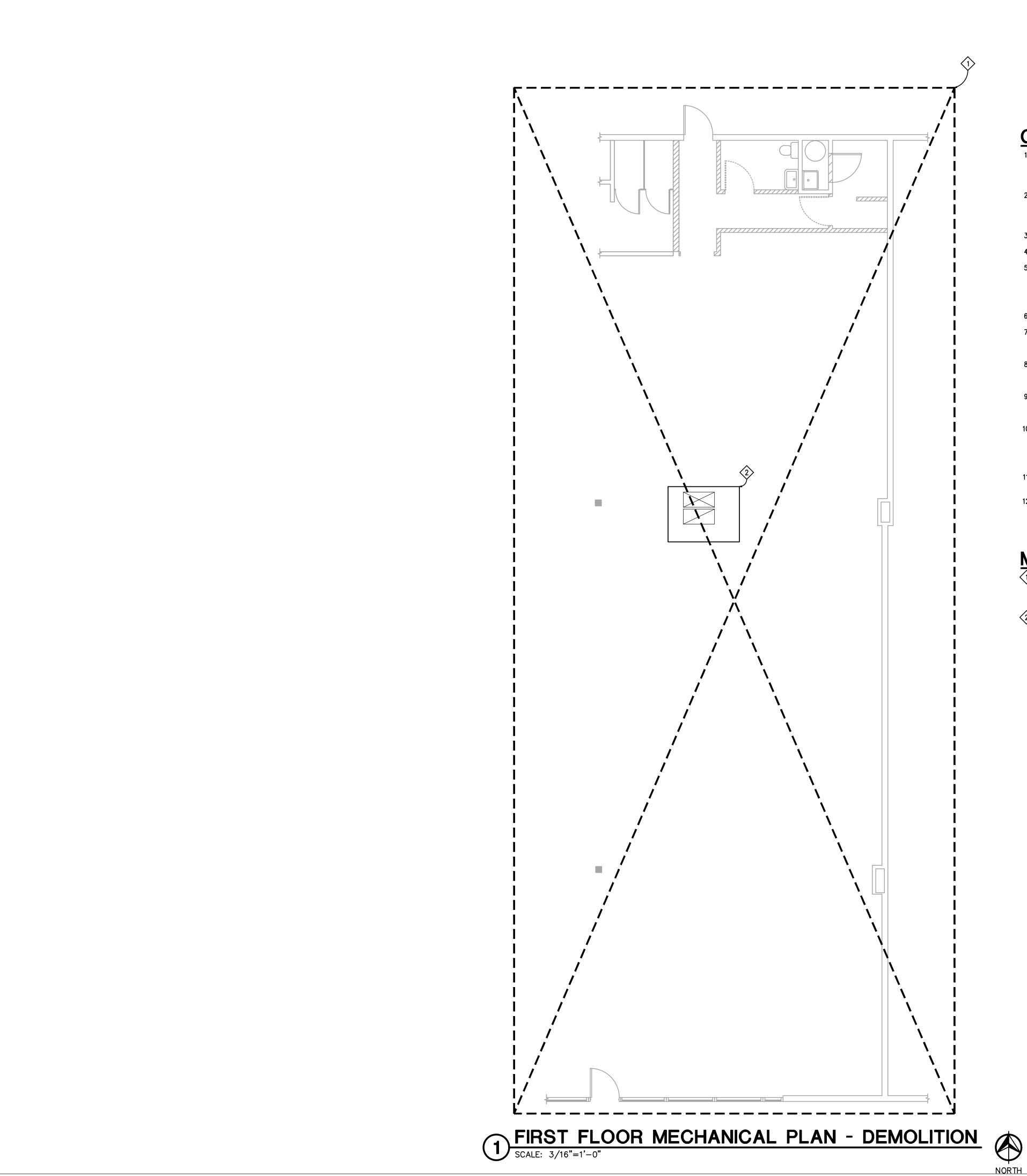
LIGHTING	
• A	24"x48" FLUORESCENT LIGHTING FIXTURE, 'A' INDICATES DESIGNATION ON SCHEDULE
A	SAME AS ABOVE - DUAL SWITCH CONFIGURATION
	SAME AS ABOVE - CONNECTION TO NIGHT LIGHT CIRCUIT (EMERGENCY POWER)
⊙ OR ⊡ ⊕	POINT SOURCE SURFACE MOUNTED ACCENT WITH DIRECTIONAL ARROW PENDANT FIXTURE, CHAIN OR STEM MOUNTED RECESSED ACCENT OR WALL WASHER
	BOLLARD TYPE POLE MOUNTED WITH ARM POLE MOUNTED ON TOP LUMINARE PROVIDING EMERGENCY ILLUMINATION EMERGENCY LIGHTS SINGLE-POLE, SINGLE-THROW WALL SWITCH TWO-POLE, SINGLE-THROW WALL SWITCH THREE-WAY WALL SWITCH
S4 SD SD3 - ©	FOUR-WAY WALL SWITCH 1500 W, WALL MOUNTED, INCANDESCENT DIMMER SWITCH THREE WAY, 1000 W DIMMER SWITCH (DIMMING AT ALL LOCATIONS SHOWN). PENDANT CABLE SUPPORT PHOTO CELL
	TION
•	WALL MOUNTED TELEPHONE OUTLET. FOR WALL INSTALLATION, PROVIDE AND INSTALL A FLUSH DEVICE BOX, AND PULLSTRING IN WALL STUD SPACE TO ABOVE CEILING. MOUNT DEVICE BOX CENTERLINE AT ELEVATION NOTED ON THE PLANS. TRIPLE DATA DEVICE OUTLET. FOR WALL INSTALLATION, PROVIDE AND INSTALL A FLUSH DEVICE BOX, AND PULLSTRING IN WALL STUD SPACE TO ABOVE CEILING. MOUNT DEVICE BOX CENTERLINE AT 17" A.F.F. UNLESS OTHERWISE NOTED.
4	DATA JACK
* 1 *	DEVICE MOUNTED 6" ABOVE COUNTER UNLESS NOTED OTHERWISE
MISCELLANE O C T S F S B	AIR TERMINAL INTERCOM LIGHTNING PROTECTION GROUNDING ELECTRODE LOUDSPEAKER – CEILING MOUNTED LOUDSPEAKER – WALL MOUNTED SIGNALING BELL
_S	

	General Instrume	nt or Function Sym	<b>bols</b>	
ODIFIER		PRIMARY LOCATION NORMALLY ACCESSIBLE TO OPERATOR *	FIELD MOUNTED	AUXILIARY LOCATION NORMALLY ACCESSIBLE TO OPERATOR *
RS CHOICE	DISCRETE INSTRUMENTS	$\bigcirc$	$\bigcirc$	$\ominus$
	SHARED DISPLAY SHARED CONTROL		$\bigcirc$	$\bigcirc$
	COMPUTER FUNCTION	$\bigcirc$	$\bigcirc$	$\ominus$
	PROGRAMMABLE LOGIC CONTROL	$\square$	$\bigcirc$	$\bigcirc$
		SIBLE OR BEHIND THE THE SAME SYMBOL V		
LE, INTERMEDIATE	cc UI Pt	STRUMENT SUPPLY OR DNNECTION TO PROCES NDEFINED SIGNAL NEUMATIC SIGNAL		
		ECTRIC SIGNAL		
	<del></del>	NEUMATIC BINARY	SIGNAL	
1-FUNCTION	<del>- Ж Ж -</del> El	ECTRIC BINARY S	IGNAL	
	O IN	TERNAL SYSTEM I	_INK	
ASSIFIED	● MI	ECHANICAL LINK		
LASSIFIED	NOTE: THIS IS A S SYS-TEK MECHANIC AND PLUMBING LEC SYMBOLS SHOWN M RELATED TO THIS I PROJECT.	CAL, ELECTRICAL, SEND. ALL MAY NOT BE	SV	ິ ຣ <b>-t</b>



GOLFTEC

GOLFTEC



- 1. RECEIVED.
- WHERE APPROVED STANDARDS HAVE BEEN ESTABLISHED BY OSHA, UNDERWRITERS 2. LABORATORIES, AMERICAN CODES, ASA, ASHRAE, ARI, NEC, STATE FIRE INSURANCE INDICATED ON THE DRAWING AND SPECIFICATIONS.
- 3. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES.
- EXACT LOCATION OF DUCT/ PIPING AND EQUIPMENT SHALL BE COORDINATED WITH BUILDING 5. ALL TRADES' WORK.
- SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. 6. 7.
- 9.
- AS SHOWN AS PART OF THIS WORK. 10.
- PROFESSIONALS DOCUMENTATION OR RESPONSIBILITY TO SURVEY, IDENTIFY, OR FOR CONSULTATION OF PROPER DISPOSAL.
- 11. ANY SUCH WORK WHICH BECOMES DAMAGED.
- 12. DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT BUILDING REPRESENTATIVE TO CONDITIONS.

## **MECHANICAL DEMOLITION NOTES**

- $\langle 1 \rangle$ CONDITIONS AND NEW WORK REQUIREMENTS. KEEP ANY HEATERS.
- $\langle 2 \rangle$ EXISTING RTU TO REMAIN IN PLACE FOR REUSE, COORDINATE WITH NEW WORK REQUIREMENTS.



PERFORM WORK IN ACCORDANCE WITH THE LATEST EDITIONS, REVISIONS, AMENDMENTS, OR SUPPLEMENTS OF APPLICABLE STATUTES, ORDINANCES, CODES OR REGULATIONS OF FEDERAL, STATE, AND LOCAL AUTHORITIES HAVING JURISDICTION IN EFFECT ON THE DATE BIDS ARE

REGULATION BODY, NFPA OR THESE STANDARDS SHALL BE FOLLOWED WHETHER OR NOT

4. DUCTWORK SHALL BE ACOUSTICALLY LINED WITHIN 20 FT OF INTAKE/DISCHARGE OF A FAN.

STRUCTURE, EQUIPMENT FÚRNISHED, ARCHITECTURAL DRAWINGS AND ALL OTHER TRADES PRIOR TO INSTALLATION. ANY CONTRACTOR INSTALLING WORK WITHOUT PRIOR COORDINATION SHALL RELOCATE HIS WORK AT HIS EXPENSE TO ALLOW PROPER INSTALLATION OF ANY AND

EXISTING EQUIPMENT LAYOUT IS SCHEMATIC. EXACT LOCATION OF EXISTING DUCT/PIPING AND EQUIPMENT SHALL BE COORDINATED WITH BUILDING STRUCTURE, EQUIPMENT FURNISHED, ARCHITECTURAL DRAWINGS AND ALL OTHER TRADES PRIOR TO DEMOLITION.

8. PATCH AND REPAIR ALL FLOOR AND WALL SURFACES LEFT DAMAGED OR INCLOMPLETE FROM REMOVAL OF EXISTING PARTITIONS, MILLWORK, CASEWORK, OR OTHER FIXED ACCESSORIES AND EQUIPMENT WITH MATERIALS TO MATCH EXISTING, AS ACCEPTABLE TO THE ARCHITECT.

THE GENERAL CONTRACTOR SHALL COORDINATE THE EXTENT OF THE REQUIRED DEMOLITION OF THE EXISTING BUILDING AS REQUIRED TO FACILITATE THE CONSTRUCTION OF THE PROJECT

ASBESTOS ABATEMENT: CONTRACTOR SHALL NOTIFY BUILDING REPRESENTATIVE IMMEDIATELY WHEN AND IF ANY ITEMS ARE ENCOUNTERED THAT IN ANY WAY APPEAR TO BE OF A HAZARDOUS NATURE. ASBESTOS ABATEMENT IS NOT PART OF THE SCOPE OF THE DESIGN

PROTECT ALL EXISTING WORK WHICH IS TO REMAIN AND RESTORE IN AN APPROVED MANNER

CLARIFY ANY ITEMS NOT SHOWN ON THESE DOCUMENTS OR SHOWN NOT MATCHING FIELD

DISCONNECT AND REMOVE ALL UNNECESSARY INTERIOR HVAC IN ENTIRETY BACK TO ROOF PENETRATION. DO NOT REMOVE ROOF PENETRATION. DISCONNECT AND REMOVE ALL DUCTWORK, AND EXHAUST FANS. COORDINATE EXACT DEMOLITION SCOPE WITH EXISTING



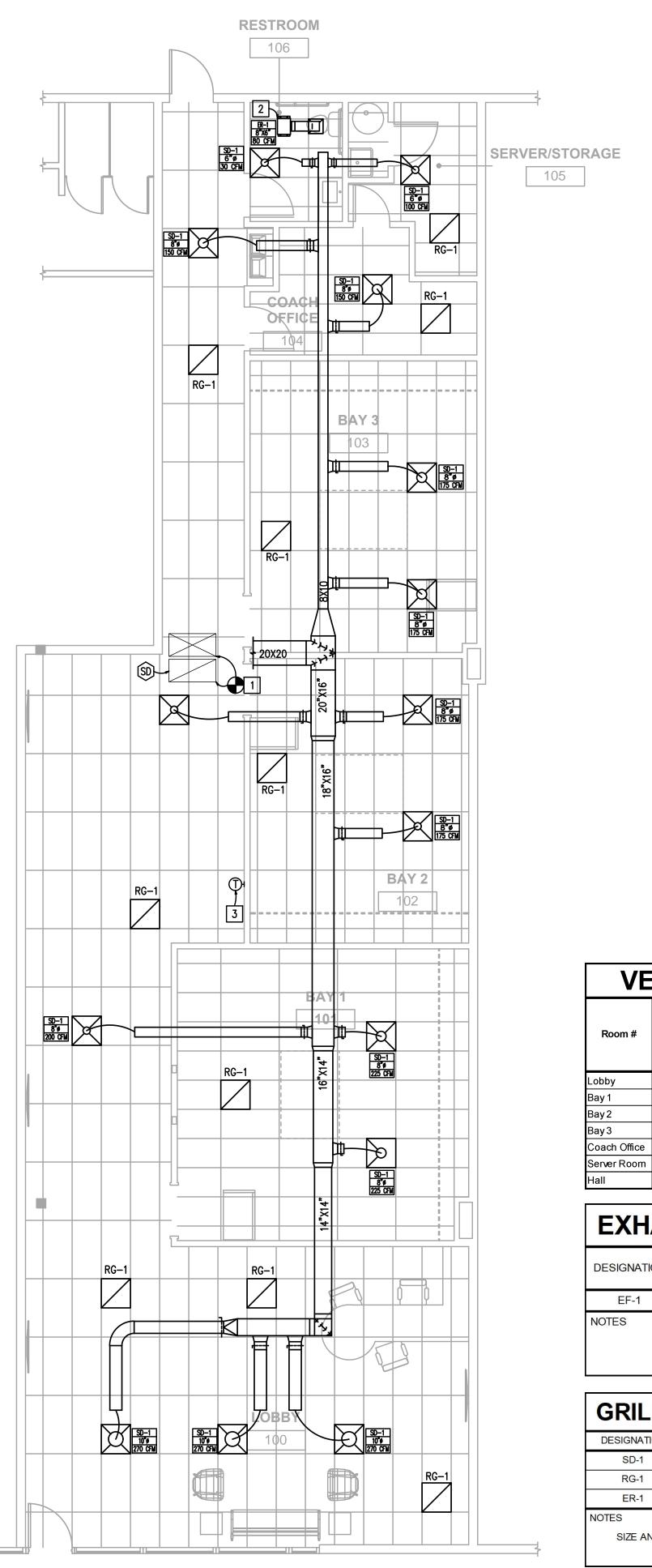
GOLFTEC LEE'S SUMMIT JOE ASSELL 303-779-9900

# VEMEN C R ΜΡ Ш Ζ 4 O Ζ C INTERIO

		RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI		
		03/26/2020		
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- RECEIVED.
- WHERE APPROVED STANDARDS HAVE BEEN ESTABLISHED BY OSHA, UNDERWRITERS 2. LABORATORIES, AMERICAN CODES, ASA, ASHRAE, ARI, NEC, STATE FIRE INSURANCE INDICATED ON THE DRAWING AND SPECIFICATIONS.
- 3. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES.
- 5. INSTALL VOLUME DAMPERS IN ALL BRANCH DUCTS SERVING A SINGLE GRILLE OR DIFFUSER.
- 7.
- 8. PROPER INSTALLATION OF ANY AND ALL TRADES' WORK.
- 9. FINISHED SURFACE.
- 10. DUCT SIZES SHOWN ARE NET INSIDE CLEAR DIMENSIONS.
- 11. CONTRACTOR.
- 12. BY THE HVAC CONTRACTOR.
- WITH REFLECTED CEILING AND STRUCTURAL PLANS.
- 14. FOR EXCEPTIONS.

## **MECHANICAL NEW WORK NOTES**

- EXTEND NEW SUPPLY AND RETURN DUCTWORK TO FULL SIZE DUCT DROPS FROM EXISTING PLANS. INSTALL NEW DUCT SMOKE-DETECTOR (PROVIDED AND WIRED BY ELECTRICAL CONTRACTOR) IN RETURN DUCT DROP.
- 2 PROVIDE NEW CEILING EXHAUST FAN EF-1, GREENHECK SP-A110 OR EQUAL, 80 CFM. EXHAUST FAN WITH TOILET ROOM LIGHT. EXHAUST FAN TO EVACUATE INTO PLENUM.
- 3 FLOOR. COORDINATE EXACT LOCATION AND SET POINTS WITH OWNER.

VE	VENTILATION CALCULATIONS ASHRAE 62.1 COMPLIANCE											
Room #	Zone Type	Zone Area	R <sub>p</sub>	Occupant Density per 1000 ft <sup>2</sup>	Pz	Ra	Az	V <sub>bz</sub>	V <sub>oz</sub>	Ez	TOTAL REQUIRED OA CFM	TOTAL DESIGN OA CFM
Lobby	Main Entry Lobbies	1,133	5	10	11.33	0.06	1,133	124.63	124.63	1		
Bay 1	Health club/weight rooms	397	20	10	3.97	0.06	397	103.22	103.22	1		
Bay 2	Health club/weight rooms	292	20	10	2.92	0.06	292	75.92	75.92	1	1	
Bay 3	Health club/weight rooms	310	20	10	3.1	0.06	310	80.6	80.6	1	414	450
Coach Office	Office Space	110	5	5	0.55	0.06	110	9.35	9.35	1		
Server Room	Computer (Not Printing)	88	5	4	0.352	0.06	88	7.04	7.04	1		
Hall	Corridors	220	0	0	0	0.06	220	13.2	13.2	1		

### EXHAUST FAN SCHEDULE

DESIGNATION	MANUFACTURER	MODEL No.	CFM	ESTIMATED EXT.	N	NOTES				
DESIGNATION	MANOFACTORER	WODEL NO.		S.P. (IN. W.C.)	VOLTS	PHASE	DRIVE	NOTES		
EF-1	GREENHECK	SP-A110	80	0.25	115	1	DIRECT			
NOTES										

### **GRILLE, REGISTER, AND DIFFUSER SCHEDULE**

	,	,			
DESIGNATION	MANUFACTURER	MODEL No.	NECK SIZE	FACE SIZE	NOTES
SD-1	Titus	TMS	SEE PLANS	24"X24"	1
RG-1	Titus	45F	N/A	22"X22"	1
ER-1	Titus	25RL	SEE PLANS	12"X12"	1
NOTES					

SIZE AND CFM ARE SHOWN ON PLANS

NORTH

# FIRST FLOOR MECHANICAL PLAN - NEW WORK SCALE: 3/16"=1'-0"



PERFORM WORK IN ACCORDANCE WITH THE LATEST EDITIONS, REVISIONS, AMENDMENTS, OR SUPPLEMENTS OF APPLICABLE STATUTES, ORDINANCES, CODES OR REGULATIONS OF FEDERAL, STATE, AND LOCAL AUTHORITIES HAVING JURISDICTION IN EFFECT ON THE DATE BIDS ARE

REGULATION BODY, NFPA OR THESE STANDARDS SHALL BE FOLLOWED WHETHER OR NOT

4. DUCTWORK SHALL BE ACOUSTICALLY LINED WITHIN 20 FT OF INTAKE/DISCHARGE OF A FAN.

6. INSTALL FLEXIBLE DUCT CONNECTIONS AT THE INLET AND DISCHARGE OF ALL FANS.

MAXIMUM LENGTH OF FLEXIBLE DUCT TO AIR TERMINAL DEVICES SHALL NOT EXCEED 5' - 0" IN LENGTH WITH A MAXIMUM OF ONE 90' TURN AND SHALL BE INSULATED. ELBOWS SHALL BE MIN. 1.5 RADIUS. CONNECTIONS TO TERMINAL DEVICES SHALL BE BANDED AND TAPED.

DUCT/PIPING LAYOUT IS SCHEMATIC. EXACT LOCATION OF DUCT/ PIPING AND EQUIPMENT SHALL BE COORDINATED WITH BUILDING STRUCTURE, EQUIPMENT FURNISHED, ARCHITECTURAL DRAWINGS AND ALL OTHER TRADES PRIOR TO INSTALLATION. ANY CONTRACTOR INSTALLING WORK WITHOUT PRIOR COORDINATION SHALL RELOCATE HIS WORK AT HIS EXPENSE TO ALLOW

UNLESS OTHERWISE NOTED, ALL DUCT / PIPING SHALL BE CONCEALED WHEREVER POSSIBLE. PROVIDE CHROME ESCUTCHEON OR ALUMINUM DUCT COLLAR AT EACH PENETRATION OF A

ANY ADDITIONAL LOW VOLTAGE CONTROL WIRING THAT IS REQUIRED SHALL BE PROVIDED BY THE HVAC CONTRACTOR. CONTROL WIRING SHALL BE RUN IN CONDUIT IF REQUIRED BY LOCAL CODES. FIELD VERIFY PRIOR TO BID. POWER WIRING SHALL BE PROVIDED BY THE ELECTRICAL

PROVIDE VIBRATION ISOLATION AT EACH CONNECTION TO A MOTORIZED PIECE OF EQUIPMENT

13. THE HVAC CONTRACTOR SHALL CLOSELY COORDINATE AIR DEVICE AND DUCTWORK LOCATIONS

MATERIALS IN THE PLENUM SHALL BE MADE OF NONCOMBUSTIBLE MATERIALS OR MATERIALS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723. SEE IMC

RTU IN THE MOST EFFICIENT MANNER. PROVIDE TRANSITIONS AS REQUIRED FOR TIE-IN, COORDINATE EXACT TIE-IN LOCATION WITH EXISTING FIELD CONDITIONS. BALANCE EXISTING ROOFTOP UNIT TO SUPPLY AIR, OUTSIDE AIR, AND RETURN AIR CFM AS INDICATED ON

COORDINATE WITH ELECTRICAL CONTRACTOR, ELECTRICAL CONTRACTOR SHALL INTERLOCK

RELOCATE EXISTING THERMOSTAT TO LOCATION SHOWN. INSTALL AT 4'-0" ABOVE FINISHED





GOLFTEC LEE'S SUMMIT JOE ASSELL 303-779-9900

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INTERIOR

**RELEASE FOR** 

CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI

03/26/2020

Issue

MECHANICAL NEW WORK

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Date:

02-07-2020 FOR PERMIT

GT PROJECT NO:

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SECTION 23 0000 HVAC

THE REQUIREMENTS OF THE "GENERAL CONDITIONS" AND "DIVISION I" SECTIONS OF THE SPECIFICATIONS SHALL APPLY TO THIS SECTION OF THE SPECIFICATIONS. PART 1 – GENERAL <u>1.01 SUMMARY</u>

A. THE CONTRACTOR SHALL PROVIDE A COMPLETE AND OPERATIONAL HVAC SYSTEM AS SHOWN ON THE DRAWINGS INCLUDING EQUIPMENT, MATERIAL, LABOR, DUCTWORK, PIPING, DIFFUSERS, GRILLES AND REQUIRED ELECTRICAL.

- B. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE LOCAL BUILDING, MECHANICAL, AND ENERGY CODES ASHRAE, SMACNA, AND ALL OTHER APPLICABLE STATE AND FEDERAL
- CODFS. C. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED FOR THE EXECUTION OF THIS WORK.
- D. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND SHALL DISPLAY A UL LABEL WHERE APPLICABLE.

E. ALL INTERIOR INSULATION MATERIALS, JACKETS, COVERINGS, SEALS AND MASTICS SHALL HAVE A FLAME SPREAD INDEX OF 25 OR LESS AND SMOKE DEVELOPED INDEX OF 50 OR LESS PER ASTM E84 (NFPA 255).

1.02 SUBMITTALS A. PRODUCT DATA: INCLUDE MANUFACTURER'S TECHNICAL DATA FOR EACH MODEL INDICATED, INCLUDING RATED CAPACITIES, DIMENSIONS, REQUIRED CLEARANCES, CHARACTERISTICS,

FURNISHED SPECIALTIES AND ACCESSORIES. I. OPERATION AND MAINTENANCE DATA FOR EXHAUST FANS.

- 1.03 QIIAIITY ASSURANCE
- A. PRODUCT OPTIONS: DRAWINGS INDICATE SIZE, PROFILES, AND DIMENSIONAL REQUIREMENTS OF ROOFTOP AIR CONDITIONERS AND ARE BASED ON THE SPECIFIC SYSTEM INDICATED.

B. ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, ARTICLE 100, BY A TESTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED USE.

PART 2 – PRODUCTS 2.01 DUCTWORK AND SPECIALTIES

A. ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL OF GAUGES AND JOINT TYPES AS SPECIFIED IN THE SMACNA MANUAL FOR THE APPLICABLE SIZES. VOLUME DAMPERS SHALL BE MANUAL LOCKING, BLADE-TYPE, TWO GAUGES HEAVIER THAN DUCT. DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SMACNA STANDARDS FOR TWO-INCH STATIC PRESSURE. ALL DUCTWORK SHALL BE SEALED WITH MASTIC. ACCESS DOORS SHALL BE PROVIDED IN DUCTWORK AT FIRE DAMPERS OR OTHER CONTROL DEVICES AS REQUIRED FOR MAINTENANCE. DOUBLE-THICKNESS TURNING VANES SHALL BE PROVIDED AT ALL RECTANGULAR ELBOWS. FLEXIBLE CONNECTIONS TO AIR HANDLING UNITS SHALL BE PROVIDED. 2.02 INSULATION

A. SUPPLY AND RETURN DUCTWORK SHALL BE ACOUSTICALLY LINED FOR THE FIRST 20 FEET OF THE ROOF TOP UNIT. INSULATION SHALL BE I" THICK WITH A MINIMUM R VALUE OF R-3.5. DUCT DIMENSIONS INDICATED ARE NET INSIDE DIMENSIONS REQUIRED FOR AIR FLOW.

INCREASE DUCT SIZE TO ALLOW FOR INSULATION THICKNESS. B. ALL DUCTWORK NOT LINED SHALL BE WRAPPED WITH INSULATION WITH A MINIMUM R VALUE 0F R-3.5.

2.03 EXHAUST FAN

A. EXHAUST FAN TO BE SUPPLIED AS INDICATED ON THE DRAWINGS.

B. FAN SPEED CONTROLLER INSTALLATION LOCATION SHALL BE COORDINATED WITH ELECTRICAL CONTRACTOR AND BE INSTALLED AT OR BY THE FAN FOR ADJUSTMENT BY BALANCE CONTRACTOR.

PART 3 - EXECUTION 3.01 INSTALLATION

A. INSTALL UNITS LEVEL AND PLUMB, MAINTAINING MANUFACTURER'S RECOMMENDED

CLEARANCES. INSTALL ACCORDING TO ARI GUIDELINE B. B. ALL DUCTWORK AND EXHAUST FANS SHALL BE SUPPORTED PROPERLY FROM THE TOP CHORD

OF ROOF JOISTS. NO DUCTWORK OR DEVICES SHALL BE ATTACHED DIRECTLY TO ROOF DECK. C. THE HVAC SYSTEM SHALL OPERATE WITHOUT OBJECTIONABLE VIBRATION, PULSATION, OR RATTLE. MOTORS SHALL BE MOUNTED ON RUBBER VIBRATION ISOLATORS OR THE COMPLETE UNIT SHALL BE ISOLATED FROM THE BUILDING WITH ISOLATION PADS. ALL DAMPERS. GRILLES, AND ACCESSORIES SHALL HAVE NO MOVEMENT UNDER OPERATING CONDITIONS AND SHALL OPERATE WITHOUT NOISE ..

3.02 EQUIPMENT IDENTIFICATION A. FOR ALL EQUIPMENT. CONTRACTOR SHALL PROVIDE AND INSTALL BLACK BAKELITE NAMEPLATE WITH WHITE LETTERING SECURED PERMANENTLY TO THE EQUIPMENT ADJACENT TO MANUFACTURER'S EQUIPMENT TAGS. SIZE OF LETTERING SHALL BE MINIMUM 2" IN HEIGHT. SAMPLE AS FOLLOWS: EF-1.

3.03 CONNECTIONS A. INSTALL PIPING EQUIPMENT TO ALLOW SERVICE AND MAINTENANCE

B. INSTALL DUCTS TO TERMINATION IN ROOF CURB.

C. ELECTRICAL SYSTEM CONNECTIONS: COMPLY WITH APPLICABLE REQUIREMENTS IN DIVISION 16 SECTIONS FOR POWER WIRING, SWITCHES, AND MOTOR CONTROLS.

D. GROUND EQUIPMENT ACCORDING TO DIVISION 16 SECTIONS "GROUNDING AND BONDING". E. TIGHTEN ELECTRICAL CONNECTORS AND TERMINALS ACCORDING TO MANUFACTURER'S

PUBLISHED TORQUE-TIGHTENING VALUES. IF MANUFACTURER'S TORQUE VALUES ARE NOT INDICATED, USE THOSE SPECIFIED IN UL 486A AND UL 486B. 0.05 TESTING ADJUSTING AND BALANCING

A TEST, ADJUST, AND BALANCE THE SUPPLY, RETURN, AND EXHAUST AIR SYSTEMS. MAKE ADJUSTMENTS AND RE-TEST SYSTEM TO ACHIEVE THE REQUIRED FLOW WITHIN 10% OF SPECIFIED AIRFLOW.

B. WHEN DEFICIENCIES ARE IDENTIFIED, RE-TEST AND ADJUST FLOWS AFTER CORRECTIVE MEASURES ARE TAKEN.

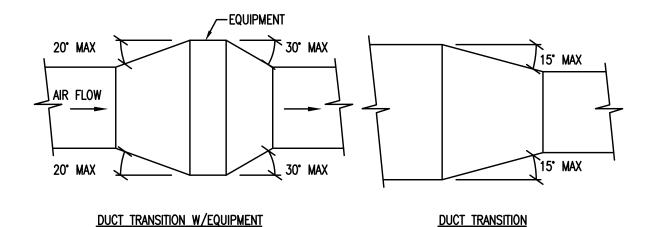
C. PERMANENTLY IDENTIFY POSITION OF SPEED CONTROLLER AND DAMPERS FOR FUTURE REFERENCE.

D. CERTIFIED REPORTS: SUBMIT TESTING, ADJUSTING, AND BALANCING REPORTS BEARING THE SEAL AND SIGNATURE OF THE TEST AND BALANCE ENGINEER. THE REPORTS SHALL BE CERTIFIED PROOF THAT THE SYSTEMS HAVE BEEN TESTED, ADJUSTED, AND BALANCED IN ACCORDANCE WITH THE REFERENCED STANDARDS; ARE AN ACCURATE REPRESENTATION OF HOW THE SYSTEMS HAVE BEEN INSTALLED; ARE A TRUE REPRESENTATION OF HOW THE SYSTEMS ARE OPERATING AT THE COMPLETION OF THE TESTING, ADJUSTING, AND BALANCING PROCEDURES; AND ARE AN ACCURATE RECORD OF ALL FINAL QUANTITIES MEASURED, TO ESTABLISH NORMAL OPERATING VALUES OF THE SYSTEMS.

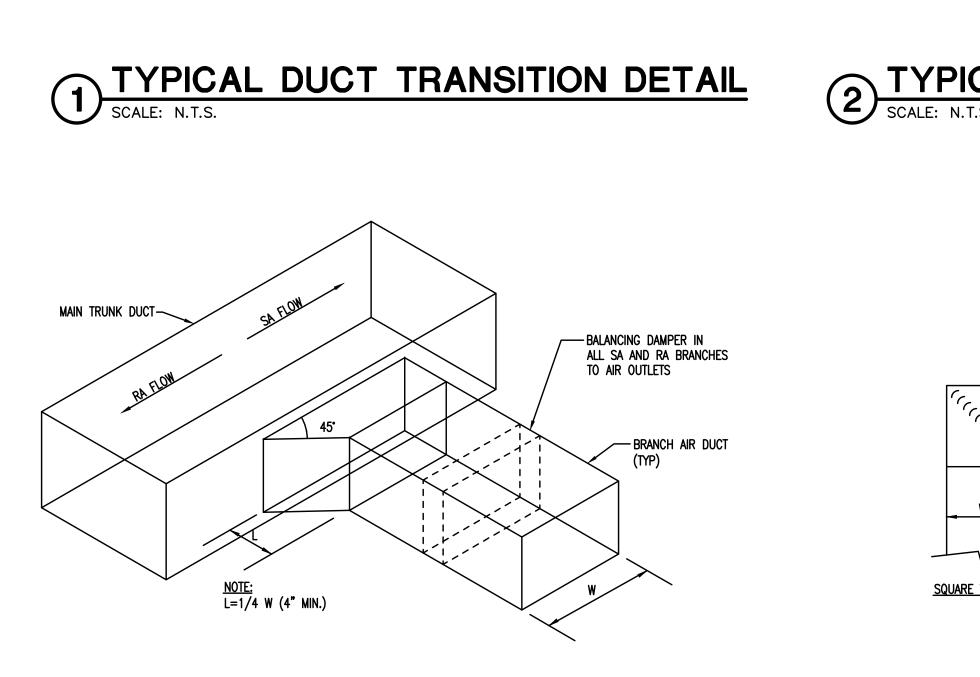
E. REPORT FORMS SHALL BE THOSE STANDARD FORMS PREPARED BY THE

STANDARD FOR EACH RESPECTIVE ITEM AND SYSTEM TO BE TESTED, ADJUSTED, AND BALANCED. BIND REPORT FORMS COMPLETE WITH SCHEMATIC SYSTEMS DIAGRAMS AND OTHER DATA IN REINFORCED, VINYL AND THREE -RING BINDERS. PROVIDE BINDING EDGE LABELS WITH THE PROJECT IDENTIFICATION AND A TITLE DESCRIPTIVE OF THE CONTENTS. F. NEBB: "PROCEDURAL STANDARDS FOR TESTING, ADJUSTING, AND BALANCING OF

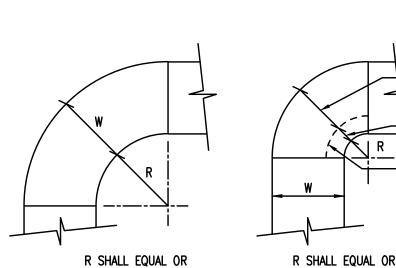
ENVIRONMENTAL SYSTEMS. END OF SECTION 23 0000



NOTES: 1. UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.





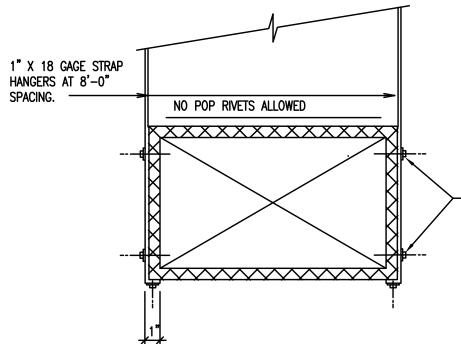


R SHALL EQUAL OR BE GREATER THAN W.

SPACING.

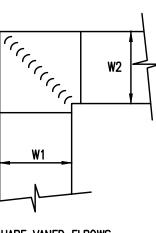
STANDARD RADIUS ELBOW





#10 X 3/4" SELF TAPPING GALVANIZED SHEET METAL SCREWS TO ANCHOR STRAPS TO DUCT. ALL STRAPS TO BE TIGHT AGAINST DUCT AND SUPPORT MEMBERS.(TYP)

# (2) TYPICAL DUCT STRAP HANGER DETIAL SCALE: N.T.S.

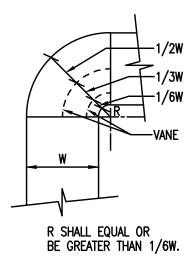


NOTES:

- 1. ALL VANED ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
- 2. WHEN W1 DOES NOT EQUAL W2 VANE SHALL BE SINGLE VANE TYPE REGARDLESS OF W DIMENSION.
- 3. ALL SINGLE VANES SHALL HAVE A 2 INCH RADIUS,
- 1 1/2 INCH MAXIMUM SPACE BETWEEN VANES AND A 3/4 INCH TRAILING EDGE.
- 4. WHEN W1 EQUALS W2 AND W1 IS GREATER THAN 20 INCHES VANES SHALL BE DOUBLE VANE TYPE.

SQUARE VANED ELBOWS

# 4 TYPICAL SQUARE VANED DUCT DETAIL SCALE: N.T.S.



<u>NOTES</u>:

SHORT RADIUS ELBOW W/ONE VANE

SHORT RADIUS ELBOW W/TWO VANES

1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.

BE GREATER THAN 1/3W.

2. ALL STANDARD RADIUS ELBOWS SHOWN ON PLANS MAY BE MADE SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

5 TYPICAL DUCT RADIUS DETAIL SCALE: N.T.S.



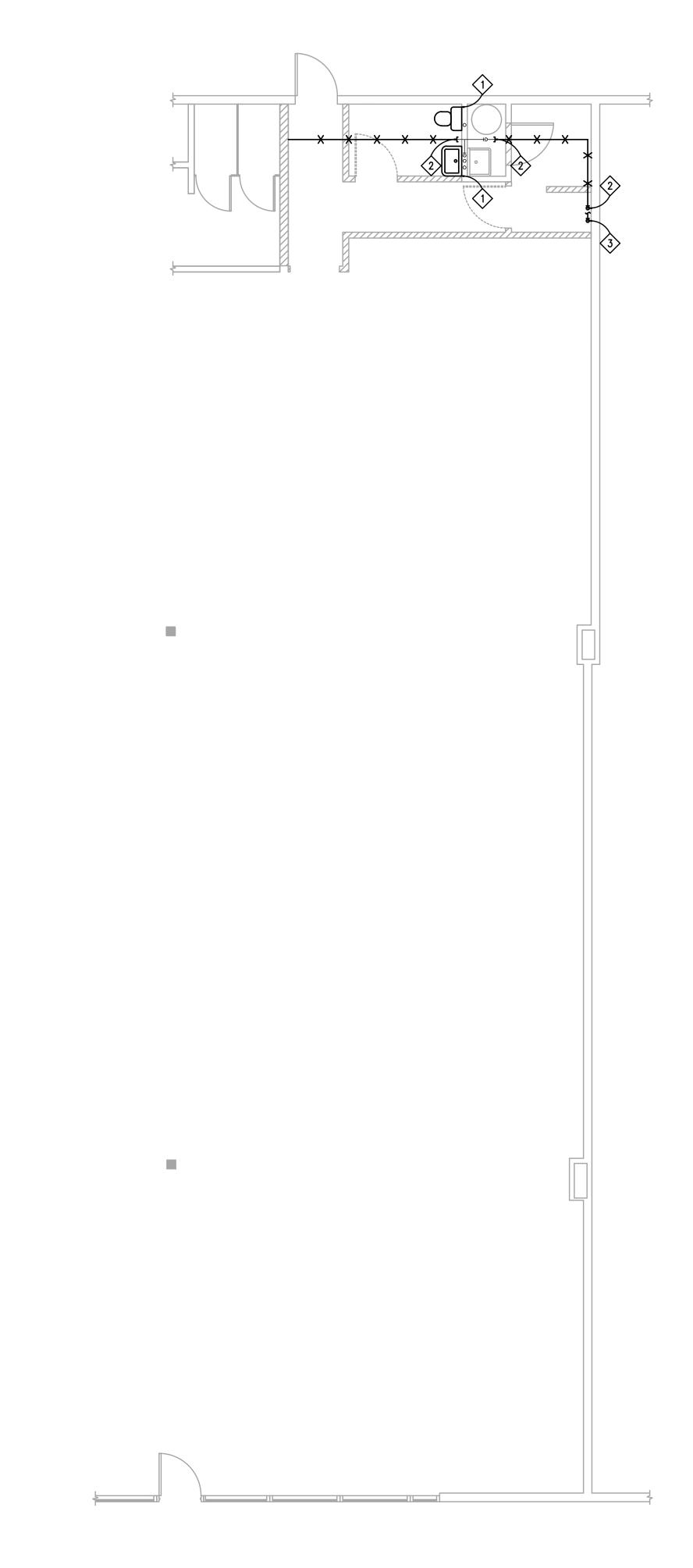


JOE ASSELL 303-779-9900	
<b>BOLFTEC</b> <b>INTERIOR TENANT IMPROVEMENT</b> 340 SOUTHWEST BLUE PARKWAY LEE'S SUMMIT, MO 64063	
RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 03/26/2020	
Date:       Issue:         02-07-2020       FOR PERMIT	Rev.:
GT PROJECT NO: MECHANICAL DETAILS M601	GT-461 Wd 88::H132020 5:11:3

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**FIRST FLOOR PLUMBING PLAN - DEMOLITION** SCALE: 3/16"=1'-0"



**GOLFTEC** 

GOLFTEC LEE'S SUMMIT

JOE ASSELL 303-779-9900

## GENERAL NOTES

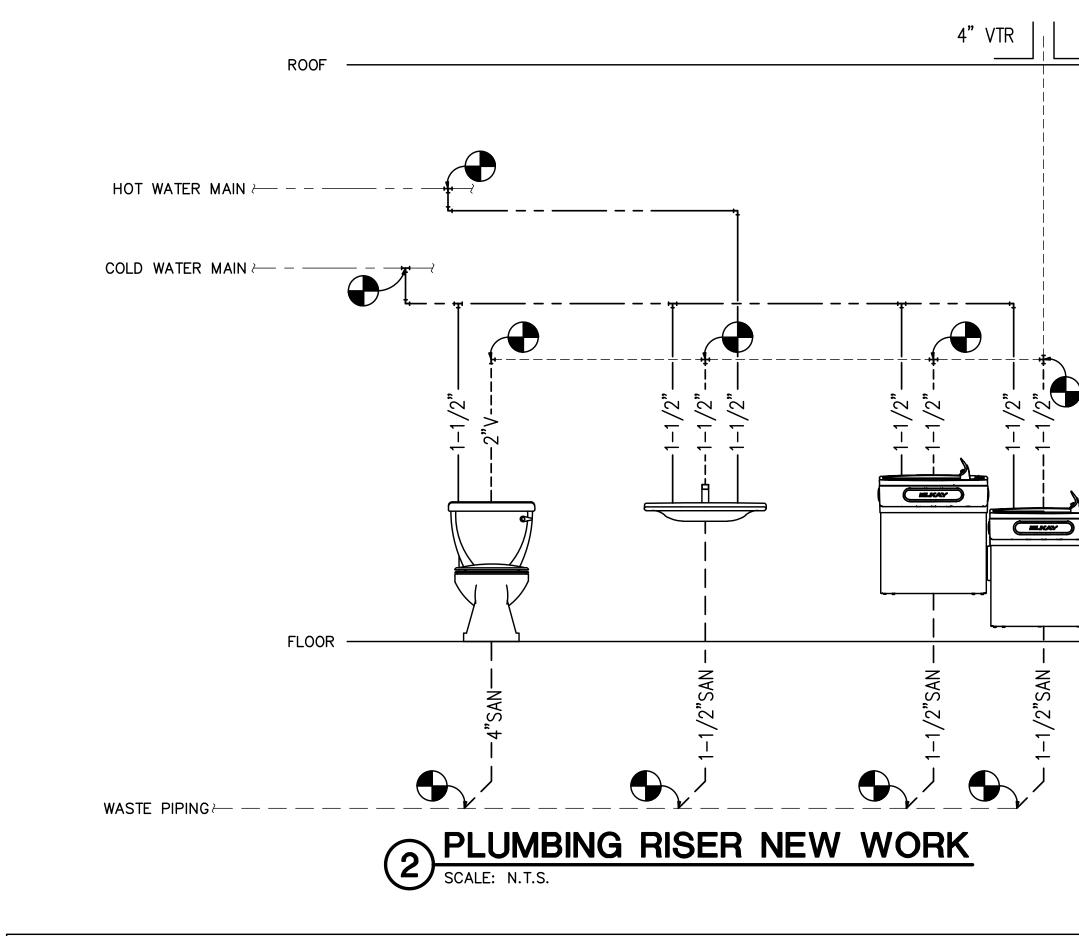
CONTRACTOR TO VERIFY EXISTING CONDITIONS FOR HOT AND COLD WATER PIPING. 1.

## PLUMBING DEMOLITION NOTES

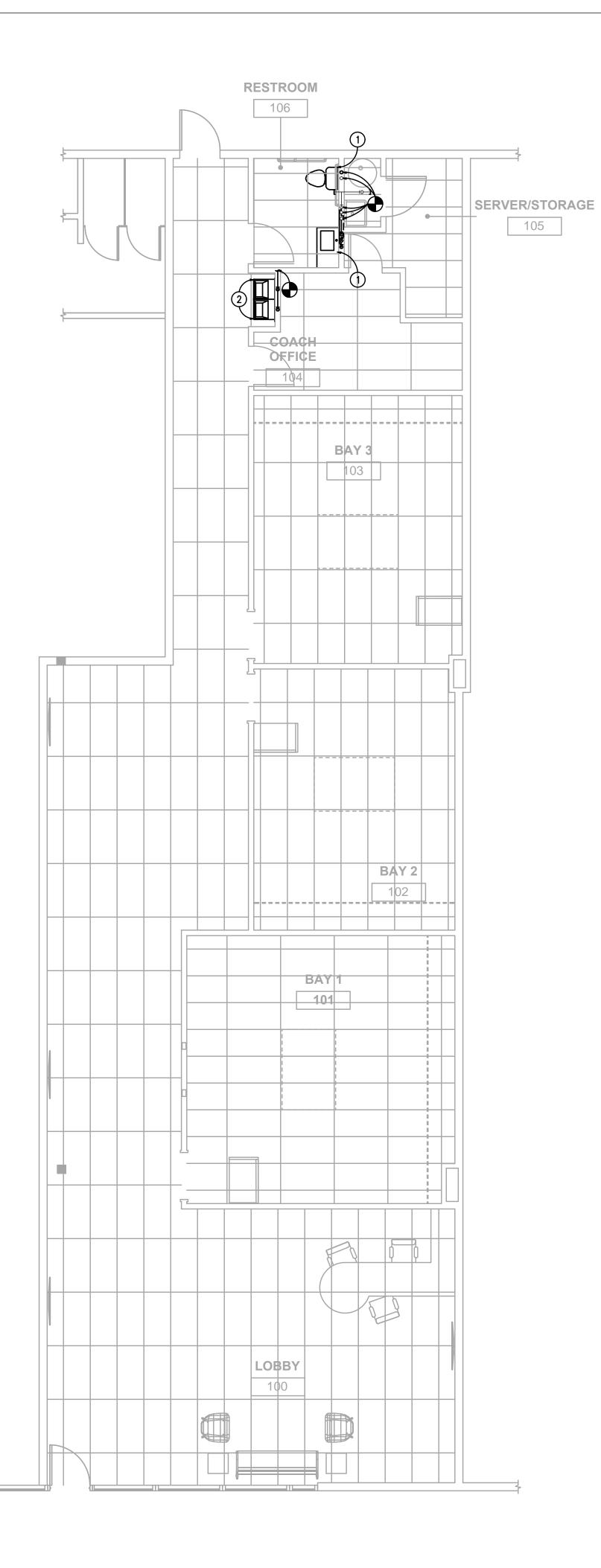
- DEMO EXISTING SINK AND TOILET CAP PIPING FOR FUTURE FIXTURES' USE.  $\langle 1 \rangle$
- DEMO AND CAP EXISTING HOT WATER LINES EXTENDING TO SHOWER AND ADJACENT TENANT SPACE. THE EXISTING HOT WATER HEATER IS TO REMAIN IN PLACE.  $\langle 2 \rangle$
- 3 demo existing cold water line to shower cap at cold water main.

VEMENT 202 **M** Ш Z Ш C INTERIOR RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 03/26/2020 Date: Rev.: Issue: 02-07-2020 FOR PERMIT GT PROJECT NO: GT-461 PLUMBING DEMOLITION DP101





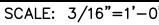
				PLUMBING	FIXTURE SCH	EDULE			
						CONN. PIPE S	SIZE (IN.)		
TAG	DESCRIPTION	MANUFACTURER	MODEL	MODEL NUMBER	cw	нพ	WASTE	VENT	
EWC	WATER COOLER	ELKAY	-	EZSTL8WSLK	3/8"	-	1 1/2"	1 1/2"	REFRIGERATED 8-GPH TWO-STATION HI/
LAV	LAVATORY	AMERICAN STANDARD	-	2506.155	3/8"	3/8"	1-1/2"	1 1/2"	WHITE CERAMIC WITH INTEGRATED 2506.155 FAUCET, 0.5GPM AERATOR, HOLES, WITH CHROME-PLATED CAST
WC	WATER CLOSET	AMERICAN STANDARD	-	3483.001.020	3/8"	-	4"	2"	ELONGATED, WHITE TWO-PIECE, 1.1 GF BEMIS OPEN-FRONT SEAT, CONTRACTO



REMARKS I/LOW, ADA-COMPLIANT, LIGHT GRAY GRANITE COLOR, 115V, 370 ED COUNTER, SINGLE HOLE, WALL HUNG, AMERICAN STANDARD DR, DC BATTERY POWERED, CAST BRASS SPOUT, <.25% LEAD, 4" ST BRASS GRID DRAIN, ASSE 1070 MIXING VALVE SET TO 110°F

GPF FLUSH TANK PRESSURE-ASSIST, ADA COMPLIANT, 1955SSCTP TOR TO PROVIDE WC TANK AMERICAN STANDARD 4142.100.020

# FIRST FLOOR PLUMBING PLAN - NEW WORK SCALE: 3/16"=1'-0"





### **GENERAL NOTES**

- PERFORM WORK IN ACCORDANCE WITH THE LATEST EDITIONS, REVISIONS, AMENDMENTS, OR SUPPLEMENTS OF APPLICABLE STATUTES, ORDINANCES, CODES OR REGULATIONS OF FEDERAL, STATE, AND LOCAL AUTHORITIES HAVING JURISDICTION IN EFFECT ON THE DATE BIDS ARE RECEIVED.
- 2. WHERE APPROVED STANDARDS HAVE BEEN ESTABLISHED BY OSHA, UNDERWRITERS LABORATORIES, AMERICAN CODES, ASA, ASHRAE, ARI, NEC, STATE FIRE INSURANCE REGULATION BODY, NFPA OR THESE STANDARDS SHALL BE FOLLOWED WHETHER OR NOT INDICATED ON THE DRAWING AND SPECIFICATIONS.
- 3. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES.
- PIPING LAYOUT IS SCHEMATIC. EXACT LOCATION OF PIPING AND EQUIPMENT SHALL BE 4. COORDINATED WITH BUILDING STRUCTURE, EQUIPMENT FURNISHED, ARCHITECTURAL DRAWINGS AND ALL OTHER TRADES PRIOR TO INSTALLATION. ANY CONTRACTOR INSTALLING WORK WITHOUT PRIOR COORDINATION SHALL RELOCATE HIS WORK AT HIS EXPENSE TO ALLOW PROPER INSTALLATION OF ANY AND ALL TRADES' WORK.
- 5. UNLESS OTHERWISE NOTED, ALL PIPING SHALL BE CONCEALED WHEREVER POSSIBLE. PROVIDE CHROME ESCUTCHEON OR ALUMINUM DUCT COLLAR AT EACH PENETRATION OF A FINISHED SURFACE.
- 6. CONTRACTOR TO VERIFY EXISTING CONDITIONS FOR ALL PIPING.
- 7. COORDINATE ALL PLUMBING FIXTURES WITH OWNER.
- 8. ALL PIPING IS TO BE ROUTED IN THE MOST EFFICIENT MANNER POSSIBLE.
- 9. MATERIALS IN THE PLENUM SHALL BE MADE OF NONCOMBUSTIBLE MATERIALS OR MATERIALS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723. SEE IMC FOR EXCEPTIONS.

### PLUMBING NEW WORK NOTES

- (1)PROVIDE AND INSTALL NEW FAUCET AND TOILET. TOILET FLUSH CONTROL SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET. CONNECT NEW TOILET TO EXISTING COLD WATER AND WASTE LINES AT LOCATION OF PREVIOUS TOILET. CONNECT NEW FAUCET TO EXISTING COLD WATER, HOT WATER, AND WASTE LINES AT LOCATION OF PREVIOUS SINK. ROUTE NEW VENTS LINES TO EXISTING VENT MAIN.
- 2 PROVIDE AND INSTALL NEW WATER FOUNTAIN. ROUTE NEW COLD WATER PIPING TO EXISTING COLD WATER MAIN AND NEW VENT LINES TO EXISTING VENT MAIN. CONTRACTOR TO VERIFY ROUTE AND LOCATION OF NEAREST COLD WATER PIPING.

### GOLFTEC LEE'S SUMMIT

VEMEN

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**MP** 

JOE ASSELL 303-779-9900

GOLFTEC

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4 Ζ C RELEASE FOR CONSTRUCTION

CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 03/26/2020

Rev.:

Issue

OJECT NO: GT-461

Date:

02-07-2020 FOR PERMIT

PLUMBING NEW WORK

SECTION 22 0000- PLUMBING THE REQUIREMENTS OF THE "GENERAL CONDITIONS" AND "DIVISION 1" SECTIONS OF THE SPECIFICATIONS SHALL APPLY TO THIS SECTION OF THE SPECIFICATIONS.

PART I – GENERAL

### <u>1.01 SUMMARY</u>

- A. THIS SECTION INCLUDES ALL PLUMBING INCLUDING DOMESTIC WATER PIPING, SANITARY WASTE AND VENT PIPING, PLUMBING FIXTURES AND SPECIALTIES INSIDE THE BUILDING.
- B. PLUMBING FIXTURES SHALL BE INSTALLED AS REQUIRED TO COMPLY WITH ALL FEDERAL,
- STATE, LOCAL AND ALL OTHER APPLICABLE PLUMBING CODES. C. FIXTURES SHALL BE PROVIDED BY CONTRACTOR AS SCHEDULED ON THE DRAWINGS. MANUFACTURER'S CATALOG DESIGNATIONS FOR FIXTURES ARE SPECIFIED ON THE DRAWINGS TO
- ESTABLISH STANDARDS FOR QUALITY, PERFORMANCE AND MATERIALS. ALL FIXTURES SHALL BE STANDARD WHITE IN COLOR. D. FIXTURES SHALL BE MOUNTED AT STANDARD HEIGHTS EXCEPT FOR HANDICAPPED FIXTURES
- WHICH SHALL BE MOUNTED PER APPLICABLE ADA HANDICAPPED ACCESSIBILITY AND BARRIER FREE CODES.

1.02 PERFORMANCE REQUIREMENTS

A. PROVIDE COMPONENTS AND INSTALLATION CAPABLE OF PRODUCING PIPING SYSTEMS WITH THE FOLLOWING MINIMUM WORKING-PRESSURE RATINGS, UNLESS OTHERWISE INDICATED: 1. DOMESTIC WATER DISTRIBUTION PIPING: 125 PSIG. 2. SOIL, WASTE AND VENT PIPING: 10-FOOT HEAD OF WATER.

### 1.03 SUBMITTALS

- A. PRODUCT DATA: FOR PIPE, TUBE, FITTINGS AND COUPLINGS. B. PRODUCT DATA: INCLUDE SELECTED FIXTURE AND TRIM, FITTINGS, ACCESSORIES, APPLIANCES, APPURTENANCES, EQUIPMENT AND SUPPORTS. INDICATE MATERIALS, FINISHES, DIMENSIONS,
- C. WATER SAMPLES: SPECIFIED IN "CLEANING" ARTICLE IN PART 3. D. FIELD TEST REPORTS: INDICATE AND INTERPRET TEST RESULTS FOR COMPLIANCE WITH PERFORMANCE REQUIREMENTS.

### 1.04 QUALITY ASSURANCE

A. PIPING MATERIALS SHALL BEAR LABEL, STAMP, OR OTHER MARKINGS OF SPECIFIED TESTING AGENCY.

### 1.05 COORDINATION

A. COORDINATE ROUGHING-IN AND FINAL PLUMBING FIXTURE LOCATIONS. VERIFY THAT FIXTURES CAN BE INSTALLED TO COMPLY WITH ORIGINAL DESIGN AND REFERENCED STANDARDS.

### PART 2 - PRODUCTS

- 2.01 PLUMBING SPECIALTIES
- B. DOMESTIC WATER SHUT -OFF VALVES SHALL BE BRONZE, FULL-PORT VALVES WITH TEFLON SEATS AND AN INSULATED HANDLE.
- C. NICKEL -BRASS OR CHROME PLATED ESCUTCHEONS SHALL BE PROVIDED ON ALL EXPOSED PIPES WHERE PIPES PASS THROUGH A WALL OR CEILING IN A FINISHED ROOM.
- D. All WASTE AND VENT PIPING SHALL CONFORM TO IMC 2018 AND IPC 2018. E. DOMESTIC WATER PIPING ABOVE GRADE SHALL BE TYPE 'I ' COPPER WITH FITTINGS JOINED BY
- A NON-LEAD BEARING SOLDER. F. ALL WATER PIPING ABOVE GRADE SHALL BE INSULATED WITH PREFORMED 1-INCH FIBERGLASS
- INSULATION WITH VAPOR BARRIER. PART 3 - EXECUTION

<u>3.0 | GENERAL</u>

- A. ALL INTERIOR PIPING SHALL BE SUPPORTED PROPERLY FROM JOISTS OR OTHER STRUCTURAL MEMBERS. IN NO CASES SHALL PIPING BE ATTACHED DIRECTLY TO ROOF DECK. AII REQUIRED PIPE SLEEVES, HANGERS AND SUPPORTS SHALL BE FURNISHED AND INSTALLED IN PROPER AND PERMANENT LOCATIONS. PIPE SHALL NOT PASS THROUGH BEAMS OR OTHER
- STRUCTURAL MEMBERS. B. LEAK TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE GENERAL CONTRACTOR'S JOB SUPERINTENDENT FOR THE FOLLOWING:
- 1. NEW SOIL, WASTE, AND VENT PIPING IN THE BUILDING SHAII BE TESTED AT A HYDROSTATIC PRESSURE OF 10 FEET OF WATER. 2. NEW WATER PIPING SHALL BE SUBJECTED TO A HYDROSTATIC PRESSURE OF 130 PSI FOR
- A PERIOD OF 30 MINUTES. 3. WHILE THE ABOVE TEST PRESSURES ARE BEING MAINTAINED, A THOROUGH INSPECTION
- WILL BE MADE AND LEAKS OR DEFECTS SHALL BE REPAIRED OR REPLACED IMMEDIATELY. C. All ASSOCIATED EQUIPMENT, PIPE, VALVES AND FITTINGS SHALL BE CLEANED OF GREASE, METAL CUTTINGS, AND SLUDGE WHICH MAY HAVE ACCUMULATED BY OPERATION OF THE SYSTEM FOR TESTING. CLEANING REQUIREMENTS SHALL APPLY TO EXISTING, NEW PIPING, AND

### 3.02 CLEANING

SYSTEMS.

- A. CLEAN AND DISINFECT POTABLE DOMESTIC WATER PIPING AS FOLLOWS:
- ALTERED, EXTENDED, OR REPAIRED BEFORE USING. 2. USE PURGING AND DISINFECTING PROCEDURES PRESCRIBED BY AUTHORITIES HAVING
- JURISDICTION. IF METHODS ARE NOT PRESCRIBED USE PROCEDURES DESCRIBED IN EITHER AWWA C651 OR AWWA C652 OR AS DESCRIBED BELOW: A. FLUSH PIPING SYSTEM WITH CLEAN POTABLE WATER UNTIL DIRTY WATER DOES NOT APPEAR AT OUTLETS.
- B. FIII AND ISOLATE SYSTEM ACCORDING TO EITHER OF THE FOLLOWING: 1) FILL SYSTEM OR PART THEREOF WITH WATER/CHLORINE SOLUTION WITH AT LEAST HOURS.
- C. FLUSH SYSTEM WITH CLEAN POTABLE WATER UNTIL NO CHLORINE IS IN WATER COMING FROM SYSTEM AFTER THE STANDING TIME.

REPEAT PROCEDURES IF BIOLOGICAL EXAMINATION SHOWS CONTAMINATION. B. PREPARE AND SUBMIT REPORTS OF PURGING AND DISINFECTING ACTIVITIES. C. CLEAN INTERIOR OF DOMESTIC WATER PIPING SYSTEM. REMOVE DIRT AND DEBRIS AS WORK

PROGRESSES. END OF SECTION 22 0000

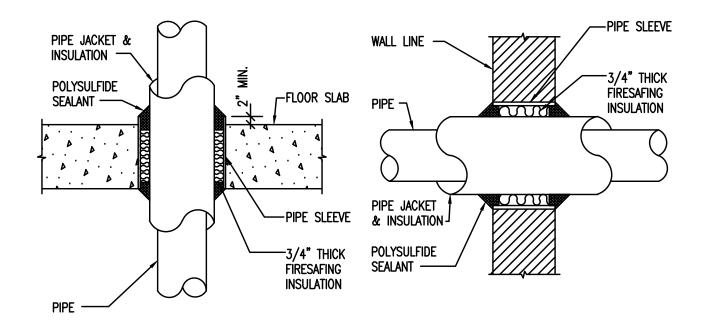
# CONSTRUCTION DETAILS AND FLOW-CONTROL RATES FOR EACH TYPE OF FIXTURE INDICATED.

1. PURGE NEW PIPING AND PARTS OF EXISTING DOMESTIC WATER PIPING THAT HAVE BEEN

50 PPM OF CHLORINE. ISOLATE WITH VALVES AND ALLOW TO STAND FOR 24

2) FILL SYSTEM OR PART THEREOF WITH WATER/CHLORINE SOLUTION WITH AT LEAST 200 PPM OF CHLORINE. ISOLATE AND ALLOW TO STAND FOR THREE HOURS.

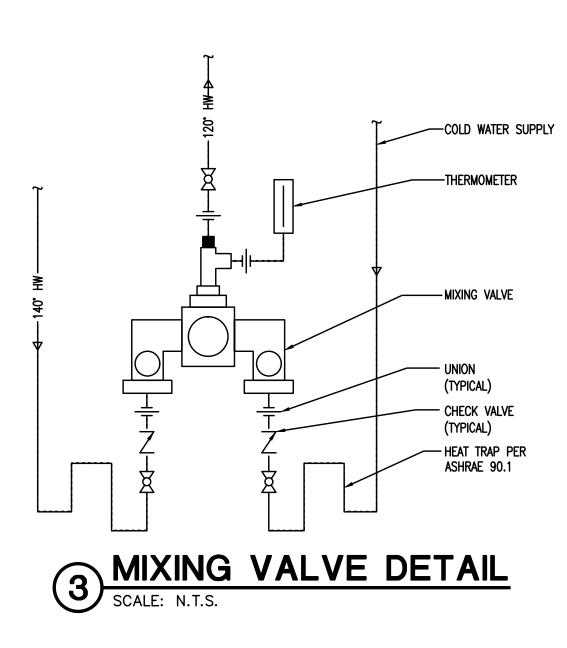
D. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION.

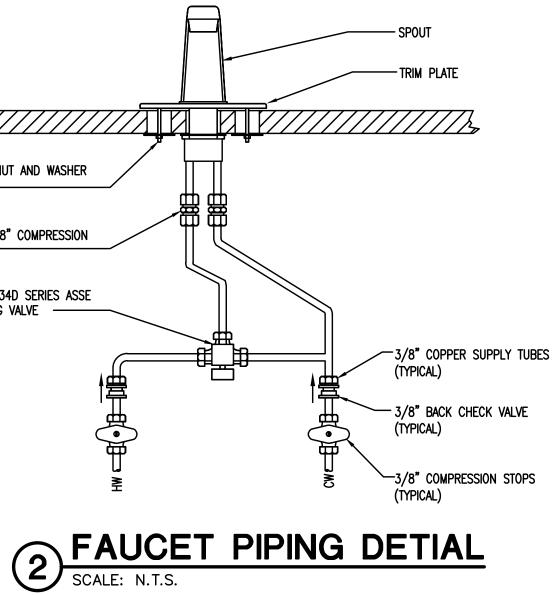


<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>
MOUNTING NUT AND WASHER (TYPICAL)
1/4" TO 3/8" COMPRESSION FITTING
CONBRACO 34D SERIES ASS 1070 MIXING VALVE ———









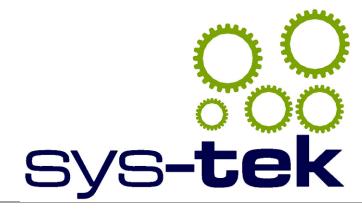


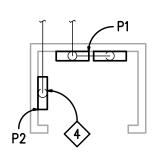
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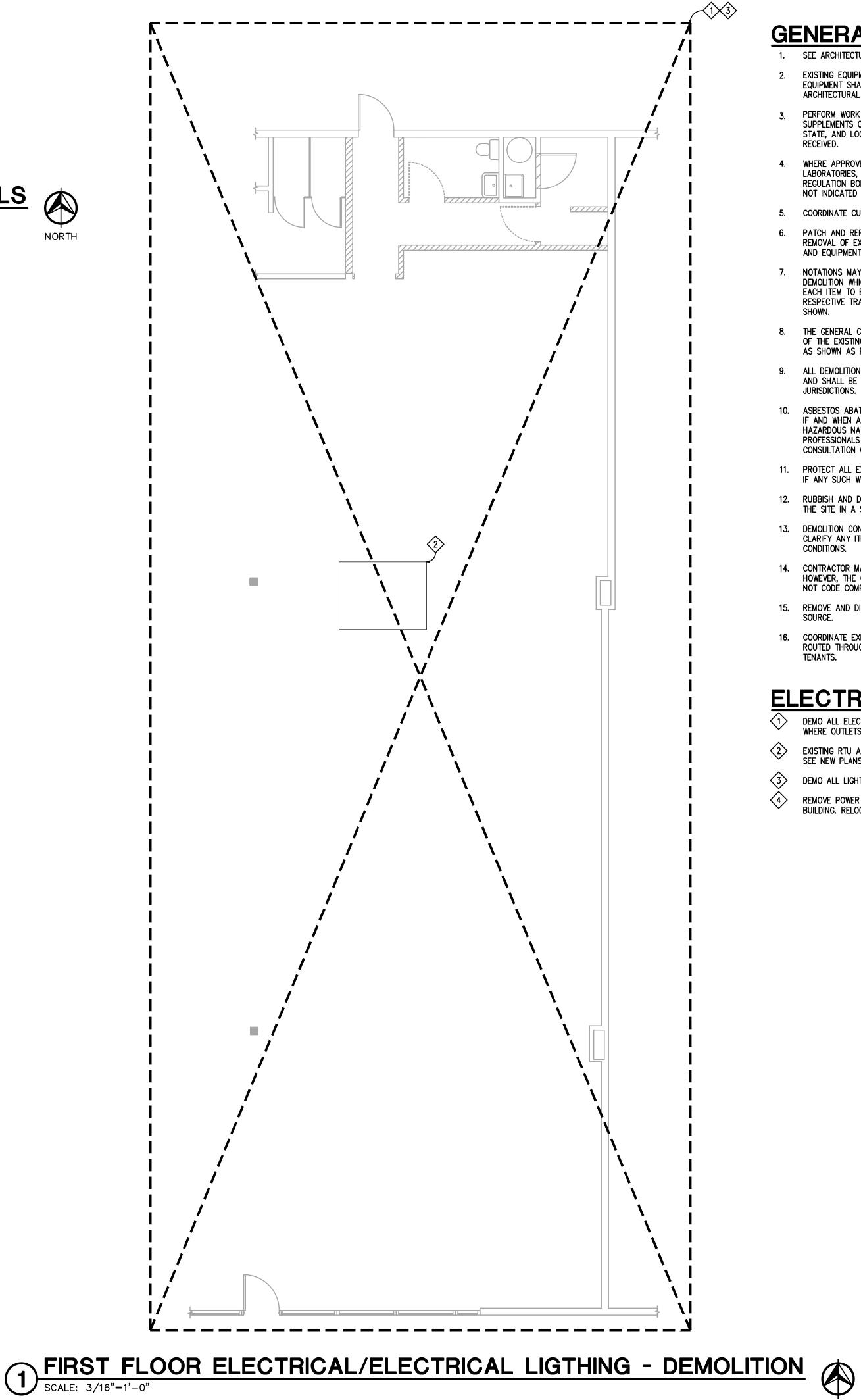
	RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI	
	03/26/2020	
Date:	Issue:	Rev.:
02-07-2020	FOR PERMIT	
GT PRO	DJECT NO:	GT-461
	PLUMBING DETAILS	











- 2. ARCHITECTURAL DRAWINGS, AND ALL OTHER TRADES PRIOR TO DEMOLITION.
- 3. STATE, AND LOCAL AUTHORITIES HAVING JURISDICTION IN EFFECT ON THE DATE BIDS ARE RECEIVED.
- NOT INDICATED ON THE DRAWING AND SPECIFICATIONS.
- 5. COORDINATE CUTTING AND PATCHING WITH GENERAL CONTRACTOR. 6.
- SHOWN.
- AS SHOWN AS PART OF THIS WORK.
- JURISDICTIONS.
- CONSULTATION OF PROPER DISPOSAL.
- IF ANY SUCH WORK BECOMES DAMAGED.
- CONDITIONS.
- NOT CODE COMPLIANT.
- SOURCE.
- TENANTS.

## **ELECTRICAL DEMOLITION NOTES**

- (1) DEMO ALL ELECTRICAL, POWER, AND OUTLETS BACK TO SOURCE. REPLACE WALL BOARD WHERE OUTLETS WERE LOCATED.
- EXISTING RTU AND DISCONNECT TO REMAIN. REMOVE WIRE AND CONDUIT BACK TO SOURCE. SEE NEW PLANS FOR NEW WIRE AND CONDUIT.
- (3) DEMO ALL LIGHTS, WIRES, AND SWITCHES BACK TO SOURCE.
- $\langle 4 \rangle$





SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

EXISTING EQUIPMENT LAYOUT IS SCHEMATIC. EXACT LOCATION OF EXITING DUCT/PIPING AND EQUIPMENT SHALL BE COORDINATED WITH BUILDING STRUCTURE, EQUIPMENT FURNISHED,

PERFORM WORK IN ACCORDANCE WITH THE LATEST EDITIONS, REVISIONS, AMENDMENTS, OR SUPPLEMENTS OF APPLICABLE STATUES, ORDINANCES, CODES, OR REGULATIONS OF FEDERAL,

4. WHERE APPROVED STANDARDS HAVE BEEN ESTABLISHED BY OSHA, UNDERWRITERS LABORATORIES, AMERICAN CODES, ASA, ASHRAE, ARI, NEC, SIG TE FIRE INSURANCE REGULATION BODY, NFPA, OR OTHERS, THESE STANDARDS SHALL BE FOLLOWED WHETHER OR

PATCH AND REPAIR ALL FLOOR AND WALL SURFACES LEFT DAMAGED OR INCOMPLETE FROM REMOVAL OF EXISTING PARTITIONS, MILLWORK, CASEWORK, OR OTHER FIXED ACCESSORIES AND EQUIPMENT. MATCH NEW MATERIALS WITH EXISTING, AS ACCEPTABLE TO THE ARCHITECT.

NOTATIONS MAY BE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED. HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH ITEM TO BE REMOVED. CONTRACTOR SHALL REMOVE ALL MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS

8. THE GENERAL CONTRACTOR SHALL COORDINATE THE EXTENT OF THE REQUIRED DEMOLITION OF THE EXISTING BUILDING AS REQUIRED TO " CILITATE THE CONSTRUCTION OF THE PROJECT

9. ALL DEMOLITION SHALL BE APPROVED NY THE OWNER/TENANT PRIOR TO COMMENCEMENT AND SHALL BE PERFORMED UNDER REQUIREMENTS AND APPROVAL OF THE LOCAL CODE

10. ASBESTOS ABATEMENT: CONTRACTOR SHALL NOTIFY BUILDING REPRESENTATIVE IMMEDIATELY IF AND WHEN ANY ITEMS ARE ENCOUNTERED THAT IN WAY WAY APPEAR TO BE OF A HAZARDOUS NATURE. ASBESTOS ABATEMENT IS NOT PART OF THE SCOPE OF THE DESIGN PROFESSIONALS DOCUMENTATION OR RESPONSIBILITY TO SURVEY, IDENTIFY, OR FOR

11. PROTECT ALL EXISTING WORK WHICH IS TO REMAIN AND RESTORE IN AN APPROVED MANNER

12. RUBBISH AND DEBRIS RESULTING FROM THE WORK SHALL BE REMOVED IMMEDIATELY FROM THE SITE IN A SAFE AND LEGAL MANNER BY THE CONTRACTOR.

13. DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT BUILDING REPRESENTATIVE TO CLARIFY ANY ITEMS NOT SHOWN ON THESE DOCUMENTS OR SHOWN NOT MATCHING FIELD

14. CONTRACTOR MAY REUSE EXISTING CODE COMPLIANT CONDUITS, PROVIDING NEW WIRING. HOWEVER, THE CONTRACTOR WILL NOT BE COMPENSATED FOR REPLACEMENTS IF THEY ARE

15. REMOVE AND DISCONNECT UNUSED AND/OR ABANDON CONDUITS AND FEED BACK TO THE

16. COORDINATE EXISTING CONDITIONS FOR ANY UTILITIES SERVING ADJACENT TENANT SPACES ROUTED THROUGH THIS SPACE. EXISTING UTILITIES SHALL REMAIN OPERABLE FOR ADJACENT

REMOVE POWER FEED FROM PANEL "P2" BACK TO CT CABINET ON THE EXTERIOR OF THE BUILDING. RELOCATE BREAKER AND POWER FEED FOR RTU-WEST TO PANEL "P1."



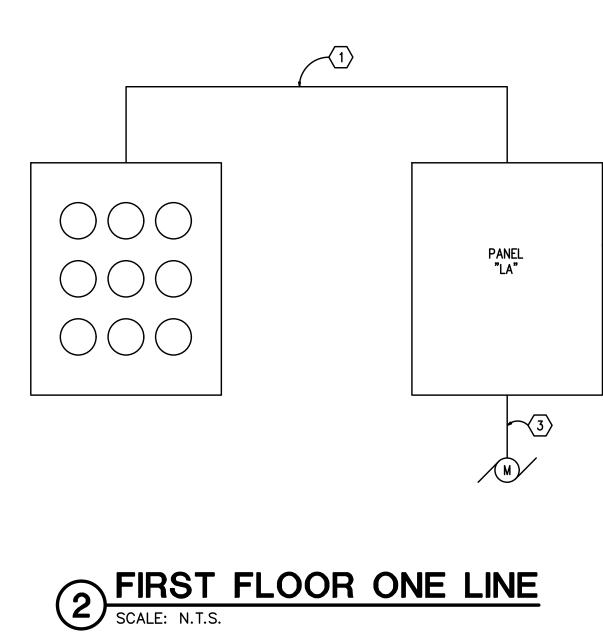
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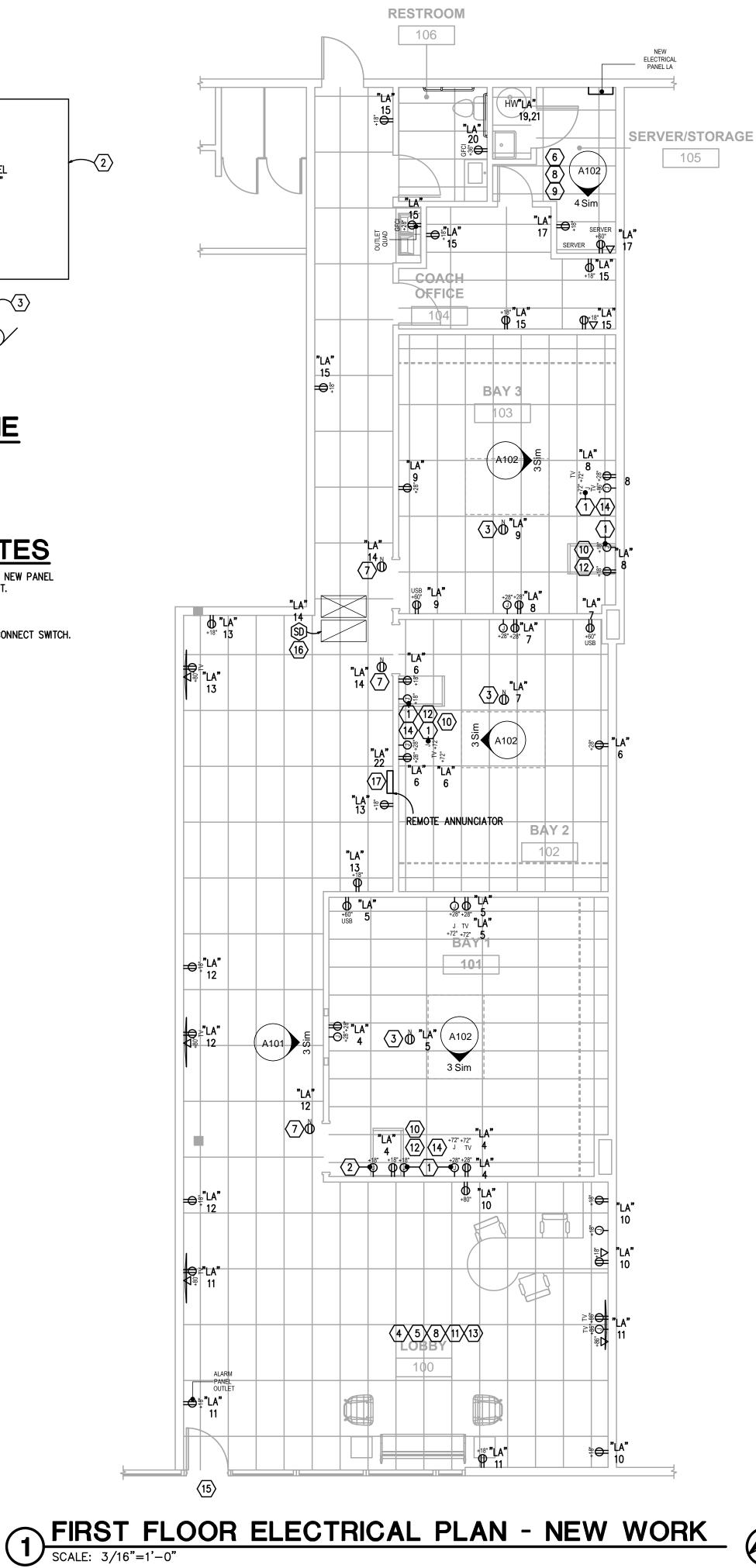
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- ELECTRICAL ONE LINE NOTES PROVIDE NEW 225 AMP POWER FEED FROM EXISTING CT CABINET/METER TO NEW PANEL "LA." ROUTE (1) #4/0 PER PHASE/NEUTRAL AND (1) #4 GND IN 2" CONDUIT.
- $\langle 2 \rangle$ PRODIE NEW 225 AMP POWER PANEL INSTALLED IN NEW ELECTRICAL ROOM.
- PROVIDE NEW 50 AM POWER FEED FROM PANEL "LA" TO EXISTING RTU DISCONNECT SWITCH. ROUTE (1) #8 AWG PER PHASE AND (1) #10) GND IN 1" CONDUIT.  $\langle 3 \rangle$



### $\bigcirc$ NORTH

## **GENERAL NOTES**

- RECEIVED.
- 2. INDICATED ON THE DRAWING AND SPECIFICATIONS.
- APPLICABLE CODES.
- 4. OF ANY AND ALL TRADES' WORK.
- 5. FINISHED SURFACE.
- 6. CONTRACTOR.
- 7 FOR EXCEPTIONS.

- $\langle 1 \rangle$ CABLE. J-BOX TO HAVE MUD-RING AND PULL STRING.
- $\langle 2 \rangle$
- $\langle 3 \rangle$
- EXACT LOCATION.  $\langle 4 \rangle$ INSTALL OWNER PROVIDED HDMI CABLES.
- $\langle 5 \rangle$ INSTALL.
- $\langle 6 \rangle$
- $\langle 7 \rangle$
- 8
- BY G.C. (9) CAMERAS ONLY.
- $\langle 10 \rangle$
- $\langle 11 \rangle$
- (12) TOGETHER 4'0" FROM BACK WALL.
- (13)
- (14)
- (15) POWER TO BE PROVIDED FOR EXTERIOR SIGNAGE; COORDINATE WITH GOLFTEC PM.
- (16) INSTALLED BY MECHANICAL CONTRACTOR) IN RETURN DUCT DROP.
- $\langle 17 \rangle$ CIRCUIT AS SHOWN.

PERFORM WORK IN ACCORDANCE WITH THE LATEST EDITIONS, REVISIONS, AMENDMENTS, OR SUPPLEMENTS OF APPLICABLE STATUTES, ORDINANCES, CODES OR REGULATIONS OF FEDERAL, STATE, AND LOCAL AUTHORITIES HAVING JURISDICTION IN EFFECT ON THE DATE BIDS ARE

WHERE APPROVED STANDARDS HAVE BEEN ESTABLISHED BY OSHA, UNDERWRITERS LABORATORIES, AMERICAN CODES, ASA, ASHRAE, ARI, NEC, STATE FIRE INSURANCE REGULATION BODY, NFPA OR THESE STANDARDS SHALL BE FOLLOWED WHETHER OR NOT

3. ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE AND ALL OTHER

EXACT LOCATION OF CONDUIT, WIRING, AND EQUIPMENT SHALL BE COORDINATED WITH BUILDING STRUCTURE, EQUIPMENT FURNISHED, ARCHITECTURAL DRAWINGS AND ALL OTHER TRADES PRIOR TO INSTALLATION. ANY CONTRACTOR INSTALLING WORK WITHOUT PRIOR COORDINATION SHALL RELOCATE HIS WORK AT HIS EXPENSE TO ALLOW PROPER INSTALLATION

UNLESS OTHERWISE NOTED, WIRE AND CONDUIT SHALL BE CONCEALED WHEREVER POSSIBLE. PROVIDE CHROME ESCUTCHEON OR ALUMINUM DUCT COLLAR AT EACH PENETRATION OF A

ANY ADDITIONAL LOW VOLTAGE CONTROL WIRING THAT IS REQUIRED SHALL BE PROVIDED BY THE HVAC CONTRACTOR. CONTROL WIRING SHALL BE RUN IN CONDUIT IF REQUIRED BY LOCAL CODES. FIELD VERIFY PRIOR TO BID. POWER WIRING SHALL BE PROVIDED BY THE ELECTRICAL

MATERIALS IN THE PLENUM SHALL BE MADE OF NONCOMBUSTIBLE MATERIALS OR MATERIALS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723. SEE IMC

## ELECTRICAL NEW WORK NOTES

PROVIDE 1" CONDUIT RECESSED IN WALL CAVITY FROM J-BOX TO TV LOCATION FOR HDMI

PROVIDE 1-1/2" CONDUIT TO SINGLE GANG J-BOX IN WALL AT 28" A.F.F. FOR CAMERAS. PROVIDE MUD-RING AND PULL STRING. RUN CONDUIT 6" ABOVE WALL.

PROVIDE CEILING MOUNTED RECEPTACLE AND/OR J-BOX. COORDINATE WITH TENANT ON

INSTALL ALL TELEVISIONS PER PLAN. VERIFY EXACT LOCATIONS WITH GOLFTEC PRIOR TO

ELECTRICIAN TO PROVIDE PRICING TO OWNER FOR THE EXTENSION OF THE DEMARCATION EXTENSION (DMARC) TO THE SERVER ROOM.

PROVIDE CEILING MOUNTED RECEPTACLE RUN 1/2" OR 3/4" CONDUIT DOWN TO 5'6" A.F.F.; NO BOX NEEDED. COORDINATE WITH TENANT ON EXACT LOCATION.

ALL DATA TO BE RUN TO 12-PORT PATCH PANEL IN SERVER ROOM. PATCH PANEL PROVIDED

INTERNET CABLE TO RUN BACK TO SERVER. CAMERA CABLING TO RUN FROM DESK TO

ALL OUTLETS AND SWITCHES TO BE GANGED AS CLOSE TOGETHER AS POSSIBLE. DO NOT SCALE PLANS FOR RECEPTACLE AND SWITCH PLACEMENT.

GENERAL CONTRACTOR TO FURNISH AND INSTALL ALL CAT-6 LOW VOLTAGE CABLE, KEYSTONE JACK TERMINATIONS, AND INSTALL OWNER PROVIDED HDMI CABLES.

ALL NEW AND EXISTING OUTLETS TO BE POSITIONED/RELOCATED TO BE CLUSTERED

VERIFY NECESSARY OUTLET PLACEMENT AND QUANTITIES WITH GOLFTEC PM.

JACKETED/SHIELDED RJ45 JACK TO BE USED AT ALL DATA LOCATIONS WITHIN TRAINING BAYS. GROUNDED TO THE J-BOX AT CAMERA LOCATIONS ONLY. JACK: VCE RJ45 CAT 6A SHIELDED METAL JACK; CONFIRM WITH GOLFTEC PM PRIOR TO ORDER AND INSTALL.

ELECTRICAL CONTRACTOR SHALL PROVIDE AND WIRE NEW DUCT SMOKE-DETECTOR (TO BE

PROVIDE REMOTE ANNUCIATOR FOR DUCT SMOKE DETECTOR WITH VISUAL & AUDIO ALARMS. KEY TEST AND RESET SWITCH. INSTALL AT +72" ON NEAREST COLUMN OR WALL. COORDINATE REQUIREMENTS WITH LOCAL AUTHORITY HAVING JURISDICTION. CONNECT TO 120V GOLFTEC

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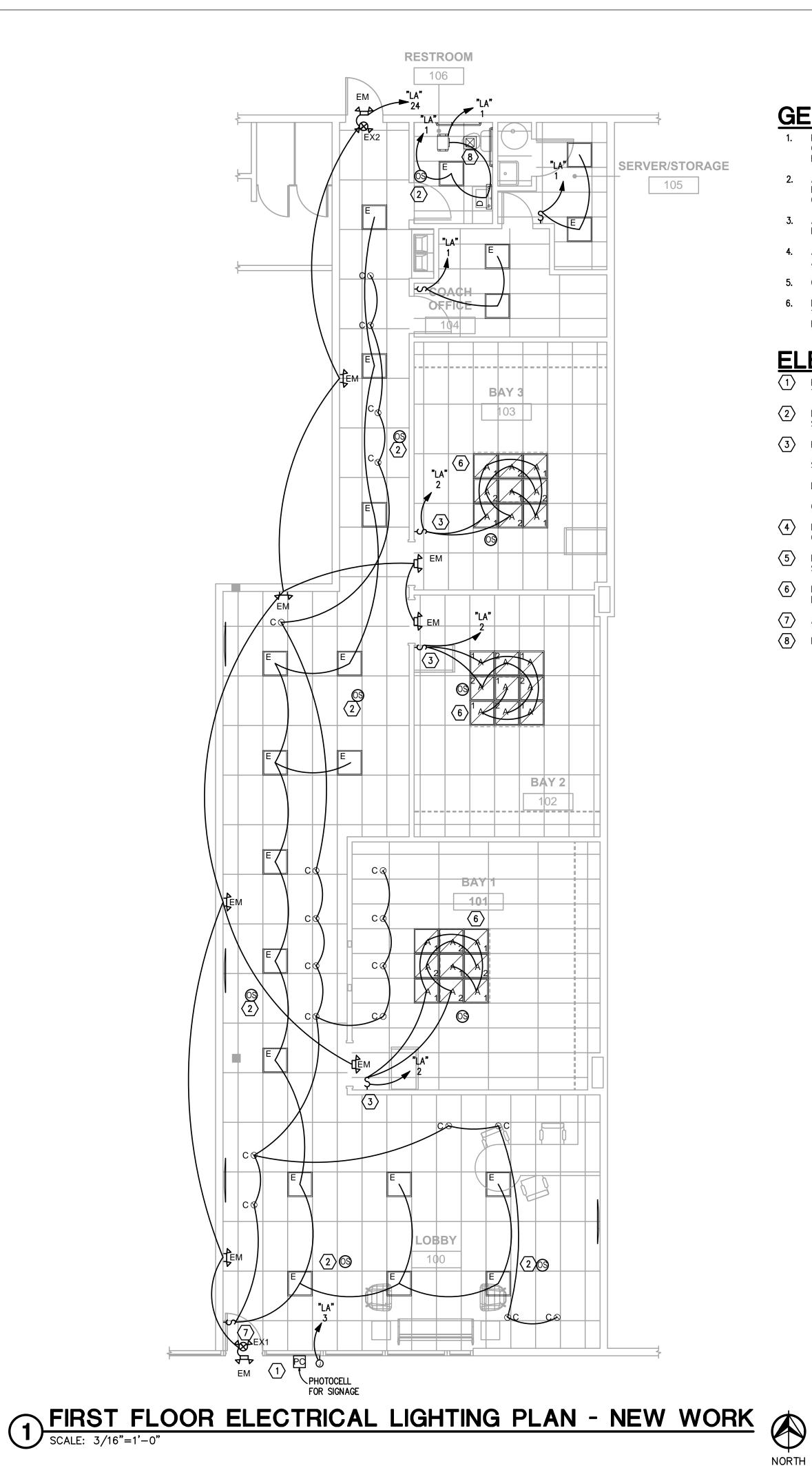
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EL	ECTRICAL NEW WORK	

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BIDS ARE RECEIVED.

- OTHERWISE NOTED.
- PERMITTED.
- AHEAD OF ANY CONTROLS.
- 6. FOR EXCEPTIONS.

# ELECTRICAL LIGHTING NEW WORK NOTES

- $\langle 1 \rangle$
- $\langle 2 \rangle$
- 3 PROVIDE LIGHTING DEVICES AS FOLLOWS: DIMMER SWITCHES - ACUITY: nPODM 2P DX
- COLOR OF DEVICES AND COVER PLATES BY OWNER.
- $\langle 4 \rangle$ OCCUPANCY SENSOR.
- (5)
- SENSOR TO CONTROL EXHAUST FAN.
- 6 DIMMERS.
- $\langle 7 \rangle$



PERFORM WORK IN ACCORDANCE WITH THE LATEST EDITIONS, REVISIONS, AMENDMENTS, OR SUPPLEMENTS OF APPLICCABLE STATUTES, ORDINANCES, CODES, OR REGULATIONS OF THE FEDERAL, STATE, AND LOCAL AUTHORITIES HAVING JURISDICTION IN EFFECT ON THE DATE

2. ALL WIRING IN THE INTERIOR SPACE SHALL CONSIST OF EMT AND COPPER CONDUCTORS. ALL CONDUITS LOCATED IN INTERIOR SPACE MUST BE RECESSED IN WALLS OR LOCATED HIGH UP IN CEILING SPACE ABOVE. SURFACE MOUNTED CONDUIT WILL NOT BE ALLOWED UNLESS

3. ALL BRANCH CIRCUIT SHALL CONTAIN A DEDICATED NEUTRAL AND EQUIPMENT GROUND CONDUCTOR. SHARED NEUTRALS ARE NOT

4. ALL BATTERY OPERATED FIXTURE SHALL BE PROVIDED A DEDICATED HOT SUPPLY FROM THE SAME CIRCUIT SERVING THE NORMAL LIGHTING,

5. COORDINATE EXACT LOCATIONS FOR SWITCHES, EQUIPMENT, AND LIGHTS WITH OWNER BEFORE INSTALLATION. MATERIALS IN THE PLENUM SHALL BE MADE OF NONCOMBUSTIBLE MATERIALS OR MATERIALS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723. SEE IMC

PROVIDE CONNECTION TO TENANT SIGN. PROVIDE ALL REQUIRED CONDUITS, WIRING, CONNECTIONS, AND CONTROLS FOR TENANT SIGN. SIGN TO BE CONTROLLED FROM PHOTOCELL AND TIMECLOCK. COORDINATE EXACT REQUIREMENTS AND LOCATIONS WITH THE SIGN CONTRACTOR. LIGHTING TO BE AUTO ON/AUTO OFF AFTER 20 MINUTES. LIGHTING TO BE CONTROLLED BY SWITCH AND CEILING MOUNTED OCCUPANCY SENSOR. SENSORS IN SPACE TO CONTROL FIXTURE TYPE E AND FIXTURE TYPE C.

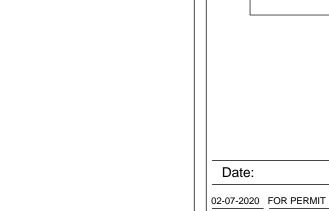
SINGLE POLE - 15 AMPERE HEAVY DUTY SNAP SWICTH COMPLYING WITH NEMA WD 6 AND WD 1.

LIGHTING TO BE MANUAL ON/AUTO OFF AFTER 20 MINUTES. LIGHTING TO BE CONTROLLED BY DIMMER SWITCH AND CEILING MOUNTED

LIGHTING TO BE AUTO ON/AUTO OFF AFTER 20 MINUTES. LIGHTING TO BE CONTROLLED BY WALL MOUNTED OCCUPANCY SENSOR. WALL

LED LIGHTS IN BAYS TO BE ON TWO SEPARATE SWITCHES. NUMBER ON FIXTURE CORRELATES TO SWITCH. BOTH SWITCHES TO HAVE

ALPHABETIC/NUMERIC LABEL ON SWITCH INDICATES SWITCH CONTROL FOR LIGHT FIXTURES WITH CORRESPONDING LABEL U.N.O.  $\langle 8 \rangle$  INTERLOCK NEW EXHAUST FAN WITH TOILET ROOM LIGHT. COORDINATE WITH MECHANICAL CONTRACTOR.





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**RELEASE FOR** 

CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI

03/26/2020

GT PROJECT NO:

ELECTRICAL LIGHTING NEW WORK

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GOLFTEC

SECTION 26 0000

1. GENERAL ELECTRIC REQUIREMENTS

PART 1 – GENERAL

1.01 DESCRIPTION OF WORK A. WORK INCLUDES ALL ELECTRICAL ITEMS AND SYSTEMS SHOWN DRAWINGS AND SPECIFIED HEREIN. B. UNLESS SPECIFICALLY DIMENSIONED, THE WORK SHOWN ON IN NATURE. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION O ELEVATIONS, BY COORDINATION WITH THE CONSTRUCTION MAI

AS WELL AS ALL THE DRAWINGS, PARTICULARLY ARCHITECTUR/ C. INCLUDE IN THE SCOPE OF WORK ALL ACCESSORIES AND D INTENDED OPERATION OF ANY SYSTEM, WHETHER OR NOT SPEC SPECIFIED.

<u>1.02 STANDARDS OF QUALITY</u> A. THE SPECIFICATIONS ESTABLISH THE STANDARD OF QUALITY DESCRIPTION OR BY REFERENCE TO BRAND NAME, NAME OF M MANUFACTURER'S MODEL NUMBER.

B. WHERE ONE PRODUCT ONLY IS SPECIFICALLY IDENTIFIED BY MODEL NUMBER, THE CONTRACTOR SHALL BASE HIS BID ON TH PRODUCT. WHERE MULTIPLE NAMES ARE USED THE CONTRACTO THE USE OF ANY OF THOSE PRODUCTS NAMED.

C. WHEN EQUIPMENT AND/OR MATERIALS ARE PROPOSED TO MANUFACTURER OTHER THAN THOSE SPECIFIED, THE CONTRAC DATA ADEQUATE FOR THE ENGINEER'S EVALUATION OF THE PR D. WHEN THE EQUIPMENT OTHER THAN THAT SPECIFIED IS USE BE RESPONSIBLE FOR ANY EXTRA COST OF REQUIRED REVISION STEEL, CONCRETE, ELECTRICAL, PIPING, ETC. SUCH ADDITIONAL AT THE TIME SUCH SUBSTITUTIONS ARE PROPOSED.

1.03 SUMMARY A. THIS SECTION INCLUDES GENERAL ADMINISTRATIVE AND PROC ELECTRICAL INSTALLATIONS. 1. ROUGH-INS.

2. ELECTRICAL INSTALLATIONS.

1.06 DELIVERY, STORAGE AND HANDLING A. IN THE ABSENCE OF SPECIFIC INSTRUCTION IN THE TECHNICA EQUIPMENT AND INSTALLATION SHALL CONFORM TO THE FOLLO STANDARDS, AND REGULATIONS, LATEST EDITIONS:

- 1. AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM) 2. AMERICAN NATIONAL STANDARD INSTITUTE (ANSI)
- 3. UNDERWRITER'S LABORATORIES (UL)
- 4. AMERICANS WITH DISABILITIES ACT (ADA)
- 5. LOCAL BUILDING, ELECTRICAL, AND FIRE CODES. 6. NATIONAL ELECTRIC CODE (NEC)
- 7. NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
- 8. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

PART 2 - EXECUTION

2.01 ROUGH-IN A. VERIFY FINAL LOCATIONS FOR ROUGH-INS WITH FIELD MEASU REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE CONNECTED

2.02 ELECTRICAL INSTALLATIONS

2.08 FIELD QUALITY CONTROL A. TEST ALL SYSTEMS AND EQUIPMENT FOR PROPER OPERATION

SUITABILITY. MAKE CORRECTIONS TO THE SATISFACTION OF THE

2.10 CLEANING AND PROTECTION A. ON CMPLETION OF THE INSTALLATION, INCLUDING OUTLETS, INSPECT EXPOSED FINISH. REMOVE BURRS, DIRT, PAINT, SPOTS B. PROTECT EQUIPMENT AND INSTALLATIONS AND MAINTAIN CO COATINGS, FINISHES, AND CABINETS ARE WITHOUT DAMAGE OR DETERIORATIONS AT THE TIME OF SUBSTANTIAL COMPLETION.

ESIGNATION A	MANUFACTURER						VOLTAGE: 208 VOLTS 3 PHASE 4 WIRE CONDUCTOR FEED:				LOCATION:										
А	Antonewise Aug. The cool of the content of the second of the content of the	TYPE	MODEL No.	LUMENS	WATTS	NOTES	MAIN BUS: 225 AMP				MAIN BR	EAKER		C	TOP			SERVER/	STORAGE 1	105	
	AXIS	2'X2' SQUARE	SES-SH6928-LX-75	6700	60		MAIN BREAKER: 200 AMP				MAIN LU				BOTTOM			FEEDER:			
В	MAXLITE	6" CAN	RR61127W-L7	880	11		SHORT CIRCUIT CURRENT RATING: 10k AMP	S AT 208 \	/AC				5		FLUSH	IOUNTING:		SOURCE:			
С	MAXLITE	6" DIRECTIONAL	RRA61030W	875	10		ENCLOSURE: NEMA MANUFACTURER/TYPE: SQUARE D / NF							-				EXISTING			
D	MAXLITE	VANITY	ML8LS20RBNIP	1500			DESCRIPTION		LOAD (VA	)	BREA		CIF			BRE		CONSTRUCTOR OF DATAS	LOAD (VA)		<b>—</b>
D	WAXLITE				20			Δ.	в	С	TRIP	POLES	POLE	PANEL	POLE	POLES	TRIP	Α	в	С	$\square$
E	MAXLITE	2'X2' SQUARE	MLFP22EP3035	3360	28.5			A	Ь	٠ د	IRIF	FULES	NO.	DIAGRAM	NO.	FULES	IRIF	A		<u> </u>	
F	VONN	INTERIOR PENDANT	VMC31650	2300	30	1	LIGHTING AND EF	887			20	1	1		2	1	20	810			LIG
G	Green Creative	TRACK FIXTURE	8TRSG4DIM/830/W/H	625	8	1			1000	700	20	1	3		4	1	20		720		BA
						· ·	BAY RECEPTACLE BAY RECEPTACLE	540		720	20 20	1	5		6	1	20 20	720		720	BA' BA'
EX1 L	LIGHT FIXTURE INDUSTRIES	EXIT SIGN	COMBO-LP-R-ST	N/A	N/A		BAY RECEPTACLE	340	540		20	1	9 9		10	1	20	120	720		LO
EX2 L	LIGHT FIXTURE INDUSTRIES	EXIT SIGN	COMBO-LP-R-ST WITH RHB- WPL1	N/A	N/A		LOBBY RECEPTACLE		340	540	20	1	11		12	1	20			720	LO
EM L	LIGHT FIXTURE INDUSTRIES	EMERGENCY	EL-MW2	N/A	N/A			540			20	1	13		14	1	20	540			HA
									360	500	20	1	15	┠ᢩ╌┼╃┼ᢩ╌	16	1	20		720	400	CO
TS	INTERMATIC	TIME SWITCH	T1471BCR	N/A	N/A	1	SERVER	900		500	20 20	1	17 19		18	1	20 20	1500		180	BA'
S	LEVITON	SINGLE/3WAY DIM	DSM10-1LZ	N/A	N/A	1	WATER HEATER BREAKER	900	900		20	1	21		20 22	1	20	1500	1200		REN
S	LEVITON	REMOTE SWITCH	56932W	N/A	N/A	1				5400	20	1	23	┟╌╢╻╴	24	1	20			25	EME
			55465				EXISTING RTU	5400			20	1	25	┠╱╅┼┼╲╴	26	1	20			/	SPA
nLight	ACUITY	POWER PACK	nPP16D	N/A	N/A	1			5400		20	1	27		28	1	20				SPA
nLight	ACUITY	POWER PACK	nSP5-PCD	N/A	N/A	1	SPARE				20	1	29	[ ]	30	1	20				SPA
nLight	ACUITY	SWITCH FOR A	nPODM DX	N/A	N/A	1	SPARE				20	1	31		32	1	20		ļ		SPA
nLight	ACOILI	SWITCHTORA		N/A	N/A	1	SPARE SPARE				20	1	33		34	1	20				SPA SPA
nLight	ACUITY	SWITCH FOR A	nPODM 2P DX	N/A	N/A	1	SPARE				20 20	1	35 37		36 38	1	20 20				SPA
nLight	ACUITY	LIGHT SENSOR	nCM-PDT-9-ADCX-RJB	N/A	N/A	1	SPARE				20	1	39		40	1	20				SPA
nlight				N1/A	N1/A	1	SPARE				20	1	41	┠╌┼┼╃╌╌	42	1	20				SPA
nLight	ACUITY	OCC SENSOR	WSXPDTWH	N/A	N/A	1	TOTAL LOAD KVA (NO DIVERSITY)	8.3	8.2	7.2	, 			32.2				3.6	3.4	1.6	тот

1. COORDINATE WITH OWNER BEFORE PURCHASE AND INSTALLATION.

	2. LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES (600 V AND LESS)	<u>6. BOXES</u>
	PART 1 – PRODUCTS	PART 1 – GENERAL
HOWN ON THE CONTRACT	<u>1.02 BUILDING WIRE</u> A. DESCRIPTION: SINGLE CONDUCTOR INSULATED WIRE B. CONDUCTOR: COPPER C. INSULATION VOLTAGE RATING: 600 VOLTS.	<u>1.05 QUALITY ASSURANCE</u> A. CONFORM TO REQUIREMENTS OF NFPA 70. B. PRODUCTS: PROVIDE PRODUCTS LISTED AND CLASSIFIED BY UNDERWRITERS LABORA INC., AS SUITABLE FOR THE PURPOSE SPECIFIED AND INDICATED.
ON THE DRAWINGS IS SCHEMATIC N OF LOCATION, INCLUDING	PART 2 - EXECUTION	PART 2 – PRODUCTS
MANAGER AND OTHER TRADES URAL. DEVICES NECESSARY FOR THE PECIFICALLY SHOWN OR	<u>2.01 EXAMINATION</u> A. VERIFY THAT RACEWAY INSTALLATION IS COMPLETE AND SUPPORTED. B. VERIFY THAT MECHANICAL WORK LIKELY TO DAMAGE WIRE AND CABLE HAS BEEN COMPLETED. C. VERIFY THAT INTERIOR OF BUILDING HAS BEEN PROTECTED FROM WEATHER.	2.01 OUTLET BOXES A. SHEET METAL OUTLET BOXES: NEMA OS 1, GALVANIZED STEEL. 1. LUMINAIRE AND EQUIPMENT SUPPORTING BOXES: RATED FOR WEIGHT OF EQU SUPPORTED: INCLUDE 1/2 INCH MALE FIXTURE STUDS WHERE REQUIRED. 2.02 PULL AND JUNCTION BOXES
LITY REQUIRED, EITHER BY	2.02 INSTALLATION	
MANUFACTURERS OR	A. INSTALL WIRE AND CABLE SECURELY, IN A NEAT AND WORKMANLIKE MANNER, AS SPECIFIED BY NECA 1. B. IDENTIFY AND COLOR CODE WIRE AND CABLE AS SPECICIED. IDNTIFY EACH CONDUCTOR	A. SHEET METAL BOXES: NEMA OS 1, GALVANIZED STEEL. B. HINGED ENCLOSURES: AS SPECIFIED IN SECTION 26 2716
BY NAME OF MANUFACTURER'S I THE USE OF THE NAME	WITH ITS CIRCUIT NUMBER OR OTHER DESIGNATION INDICATED. C. USE WIRING METHODS INDICATED.	PART 3 EXECUTION
CTOR SHALL BASE HIS BID ON O BE PURCHASED FROM A ACTOR SHALL PROVIDE COMPLETE	D. PULL ALL CONDUCTORS INTO RACEWAY AT SAME TIME. E. USE SUITABLE WIRE PULLING LUBRICANT FOR BUILDING WIRE 4 AWG AND LARGER. F. ROUTE WIRE AND CABLE AS REQUIRED TO MEET PROJECT CONDITIONS.	<u>3.01 EXAMINATION</u> A. VERIFY LOCATIONS OF FLOOR BOXES AND OUTLETS IN OFFICES AND WORK AREAS TO ROUGH—IN.
PROPOSED SUBSTITUTION. USED, THE CONTRACTOR SHALL	3. GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS	3.02 INSTALLATION A. INSTALL IN LOCATIONS AS SHOWN ON DRAWINGS, AND AS REQUIRED FOR SPLICES,
SIONS SUCH AS STRUCTURAL NAL COSTS SHALL BE IDENTIFIED	PART 1 - GENERAL	WIRE PULLING, EQUIPMENT CONNECTIONS, AND AS REQUIRED BY NFPA 70. B. SET WALL MOUNTED BOXES AT ELEVATIONS TO ACCOMMODATE MOUNTING HEIGHTS
PROCEDURAL REQUIREMENTS FOR	<ul> <li><u>1.01 SECTION INCLUDES</u></li> <li>A. PROVIDE ALL COMPONENTS NECESSARY TO COMPLETE THE GROUNDING SYSTEM(S) CONSISTING OF: <ol> <li>METAL UNDERGROUND WATER PIPE.</li> <li>METAL FRAME OF THE BUILDING</li> <li>ROD ELECTRODES.</li> </ol> </li> </ul>	INDICATED. C. INSTALL PULL BOXES AND JUNCTION BOXES ABOVE ACCESSIBLE CEILINGS AND IN UNFINISHED AREAS ONLY. D. COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF OUTLETS MOUNTED ABOVE COUNTERS, BENCHES, AND BACKSPLASHES. E. LOCATE OUTLET BOXES TO ALLOW LUMINAIRES POSITIONED AS SHOWN ON REFLECTIONED AS SHOWN AS SH
	PART 2 - PRODUCTS	CEILING PLAN. F. ALIGN ADJACENT WALL MOUNTED OUTLET BOXES FOR SWITCHES, THERMOSTIOS S, A
INICAL SPECIFICATIONS, LLOWING APPLICABLE CODES,	2.02 CONNECTORS AND ACCESSORIES A. GROUNDING CONDUCTORS.	SIMIAR DEVICES. G. USE FLUSH MOUNTING OUTLET BOX IN FINISHED AREAS. H. GANG BOX WHERE MORE THAN ONE DEVICE IS MOUNTED TOGETHER. DO NOT Uspl
A)	1. EQUIPMENT GROUNDING CONDUCTORS: INSULATED WITH GREEN-COLORED INSULATION.	SECTIONAL BOX. I. USE CAST OUTLET BOX IN EXTERIOR LOCATIONS EXPOSED TO THE WEATHER AND WILOCATIONS.
	4. HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS	7. IDENTIFICATION FOR ELECTRICAL SYSTEMS
	PART 3 - EXECUTION	PART 1 – GENERAL
ION (NEMA)	3.01 INSTALLATION A. INSTALL HANGERS AND SUPPORTS AS REQUIRED TO ADEQUATELY AND SECURELY SUPPORT ELECTRICAL SYSTEM COMPONENTS, IN A NEAT AND WORKMANLIKE MANNER, AS SPECIFIED IN NECA 1. 1. DO NOT FASTEN SUPPORTS TO PIPES, DUCTS, MECHANICAL EQUIPMENT, OR CONDUIT.	<u>1.01 SECTION INCLUDES</u> A. NAMEPLATES AND LABELS. B. WIRE AND CABLE MARKERS. C. CONDUIT MARKERS. D. FIELD—PAINTED IDENTIFICATION OF CONDUIT.
EASUREMENTS AND WITH TED.	B. IN WET AND DAMP LOCATIONS USE STEEL CHANNEL SUPPORTS TO STAND CABINETS AND PANELBOARDS 1 INCH OFF WALL. C. INSTALL SURFACE-MOUNTED CABINETS AND PANELBOARDS WITH MINIMUM OF FOUR	PART 2 – GENERAL
ATION, ACCURACY AND	ANCHORS. D. DRY LOCATIONS: 1. CONCEALED: USE ELECTRICAL METALLIC TUBING. 2. EXPOSED: USE ELECTRICAL METALLIC TUBING.	2.01 NAMEPLATES AND LABELS A. NAMEPLATES: ENGRAVED THREE—LAYER LAMINATED PLASTIC, BLACK LETTERS ON W BACKGROUND. B. LOCATIONS: 1. FACH ELECTRICAL DISTRIBUTION AND CONTROL FOURPMENT ENCLOSURE
THE OWNER AND DESIGN TEAM.	<u>2.05 ELECTRICAL METALLIC TUBING (EMT)</u> A. DESCRIPTION: ANSI C80.3; GALVANIZED TUBING. B. FITTINGS AND CONDUIT BODIES: NEMA FB 1; STEEL SET SCREW TYPE.	<ol> <li>EACH ELECTRICAL DISTRIBUTION AND CONTROL EQUIPMENT ENCLOSURE.</li> <li>LETTER SIZE         <ol> <li>USE 1/8" INCH LETTERS FOR IDENTIFYING INDIVIDUAL EQUIPMENT AND LOADS</li> <li>LABELS: EMBOSSED ADHESIVE TAPE, WITH 3/16 INCH WHITE LETTERS ON BLACK</li> </ol> </li> </ol>
IS, FITTINGS, AND DEVICES, OTS, AND CONSTRUCTION DEBRIS. CONDITIONS TO ENSURE THAT OR DETERIORATIONS AT THE TIME	B. THINKS AND CONDOL DODIES. NEWA TO I, STELL SET SUNLW TIFE.	BACKGROUND. USE ONLY FOR IDENTIFICATION OF INDIVIDUAL WALL SWITCHES AND RECEPTACLES, CONTROL DEVICE STATIONS, AND OTHER OUTLETS, WHERE INDICATED FO SPECIFIC PURPOSES OR AS A DEDICATED CIRCUIT.

2.02 WRE MARKERS A. DESCRIPTION: CLOTH OR TAPE TYPE WRE MARKERS. B LOCATIONS: EACH CONDUCTOR AT PANEL BOARD GUTTERS AND OUTLET BOXES EACH LOO CONNECTION.

C. LEGEND:

1. POWER AND LIGHTING CIRCUITS: BRANCH CIRCUIT OR FEEDER NUMBER INDICATED ON DRAWINGS.

	10. WIRING DEVICES	
	PART 1 – GENERAL	
LABORATORIES	1.01 SUBMITTALS A. PRODUCT DATA: PROVIDE MANUFACTURER'S CATALOG INFORMANTION SHOWING DIMENSIONS, COLORS, AND CONFIGURATIONS.	
	PART 2 - PRODUCTS	
of equipment	2.01 MANUFACTURERS A. COOPER WIRING DEVICES B. LEVITON MANUFACTURING, INC C. HUBBELL INC. D. PASS & SEYMOUR/LEGRAND	
	<ul> <li>2.02 WALL SWITCHES</li> <li>A. WALLSWITCHES: HEAVY DUTY, AC ONLY GENERAL-USE SNAP SWITCH, COMPLYING WITH NEMA WD 6 AND WD 1.</li> <li>1. BODY AND HANDLE: COLOR BY ARCHITECT, PLASTIC WITH TOGGLE HANDLE.</li> <li>2. RATINGS: <ul> <li>A. VOLTAGE: 120 VOLTS, AC</li> <li>B. CURRENT: 20 AMPERES.</li> </ul> </li> <li>B. SWITCH TYPES: SINGLE POLE, DOUBLE POLE, AND 3-WAY</li> </ul>	
AREAS PRIOR	2.03 RECEPTACLES A. RECEPTACLES: HEAVY DUTY, COMPLYING WITH NEMA WD 6 AND WD 1.	
PLICES, TAPS,	B. MINIMUM INTEGRATED SHORT CIRCUIT RATING: AS INDICATED. C. MOLDED CASE CIRCUIT BREAKERS: THERMAL MAGNETIC TRIP CIRCUIT BREAKERS, BOLT-ON TYPE, WITH COMMON TRIP HANDLE FOR ALL POLES; UL LISTED.	
IEIGHTS	1. DEVICE BODY: COLOR BY ARCHITECT, PLASTIC. D. CONVENIENCE RECEPTACLES: TYPE 5–20.	
ND IN IOVE	E. DUPLEX CONVENIENCE RECEPTACLES. F. GFCI RECEPTACLES: CONVENIENCE RECEPTACLE WITH INTEGRAL FROUND FAULT CIRCUIT INTERRUPTER TO MEET REGULATORY REQUIREMENTS.	
REFLECTED las S, AND	<u>2.04 WALL PLATES</u> A. DECORATIVE COVER PLATES: COLOR TO MATCH DEVICE, SMOOTH PLASTIC. B. WEATHER PROOF IN—USE COVER PLATES: GASKETED CAST METAL WITH HINGE.	
<b>-</b>	PART 3 - EXECUTION	
T Uspl AND WET	<u>3.01 PREPARATION</u> A. PROVIDED EXTENSION RINGS TO BRING OUTLET BOXES FLUSH WITH FINISHED SURFACE.	
	3.02 INSTALLATION A. INSTALL DEVICES PLUMB AND LEVEL. B. INSTALL SWITCHES WITH OFF POSITION DOWN. C. INSTALL RECEPTACLES WITH GROUNDING POLE ON BOTTOM. D. CONNECT WIRING DEVICE GROUNDING TERMINAL TO OUTLET BOX WITH BONDING JUMPER. E. INSTALL DECORATIVE PLATES ON SWITCH, RECEPTACLE, AND BLANK OUTLETS IN FINISHED AREAS.	
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osure. AND LOADS. ON BLACK

INDICATED FOR

DESCRIPTION
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EPTACLE
EPTACLE
EPTACLE
ECEPTACLE
ECEPTACLE
CEPTACLE & SMOKE DETECTOR
ECEPTACLE
DM RECEPTACLE
DAD KVA (NO DIVERSITY)

GOLF1	EC
GOLFTEC LEE'S SUMMIT	

JOE ASSELL 303-779-9900

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Date:       Issue:       Rev.         07-2020       FOR PERMIT	RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI	
ELECTRICAL DETIALS	7-2020 FOR PERMIT	
	E601	/2020 2:14:38 PM

