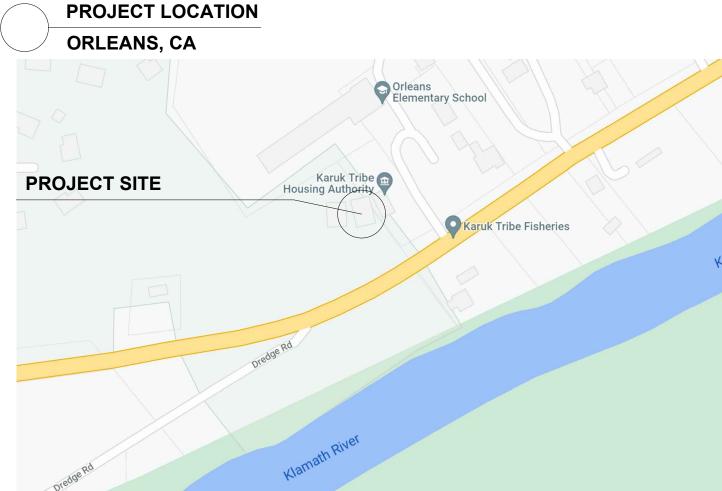
# **PROPOSED FOR:** KARUK ORLEANS TRIBAL BUILDING

37960 CA-96 **ORLEANS, CA 95556** 

**PROJECT NUMBER: #22-3732** 



# **PROJECT TEAM**

OWNER

ARCHITECT:

64236 SECOND AVE POST OFFICE BOX 1016 HAPPY CAMP, CA 96039 C&S DESIGN & ENGINEERING, INC. 2023 6TH ST W. ASHLAND, WI 54806

KARUK TRIBE

P: 715-682-0330

# **PROJECT DATA**

PROJECT NAME: KARUK ORLEANS TRIBAL BUILDING PROJECT ADDRESS: 37960 CA-96

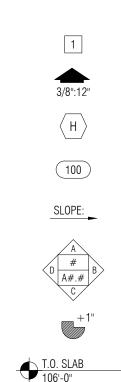
OWNER: PARCEL NUMBERS

ORLEANS, CA 95556 KARUK TRIBE

LAND AREA: ZONING DISTRICT:

GOVERNING CODES: 2019 INTL BUILDING CODE AMERICANS WITH DISABILITIES ACT (ADA) 2015 INTL ENERGY CONSERVATION CODE 2015 INTL FUEL GAS CODE 2015 INTL MECHANICAL CODE 2015 INTL ELECTRIC CODE 2019 CBC - TITLE 24 STATE OF CALIFORNIA CODE OF REGULATION\$ COMPLIANCE ADVISORY REFERENCE MANUAL NATIONAL FIRE PROTECTION ASSOCIATION NFPA 99 HEALTH CARE FACILITIES CODE (CURRENT EDITION, AS APPLICABLE) NFPA 101 LIFE SAFETY CODE (CURRENT EDITION, AS APPLICABLE) OTHER APPLICABLE LOCAL, STATE OR FEDERAL REGULATIONS INCLUDING SISKIYOU COUNTY

# SYMBOLS



— A

4

10 1.0

A2.0

A2.0

A2.0

A2.0

KEY NOTE **ROOF SLOPE & DIRECTION** WINDOW TAG DOOR TAG SLOPE OF SLAB INTERIOR ELEVATION TAG STEP/ELEVATION CHANGE ELEVATION MARKER WALL TYPE (SEE PLAN OR

LEGEND FOR ADD. INFO)

ROOF SLOPE

GRID LINE

**BUILDING ELEVATION** 

BUILDING SECTION

WALL SECTION

CALLOUT

DETAIL/ENLARGED PLAN

DETAIL CALLOUT

### STANDARD ABBREVIATIONS A.F.F.

BOT.

B.O.

B.C.

B.U.R.

CPT.

C.I.P. C.I.

C.B.

CLG.

CEM.

C.T.

CI R.

CLO.

COL.

CMU

CONC.

CONST. CONT.

CL

ABOVE FINISH FLOOR ACOUSTICAL CEILING TILE ACT. ADDITIONAL ADD. ADJ. ADJUSTABLE ALIGN WITH BELOW A.W.B. ALTERNATE ALT. ALUMINUM ALUM. ADA AMERICAN DISABILITIES ACT APPROX. APPROXIMATELY BSMT. BASEMENT BEAM BM. BELOW BELW. BIT. BITUMINOUS BI OCK BLK. BLKG. BLOCKING BD.

BOARD BOTTOM BOTTOM OF BRICK COURSE BUILDING BUILT-UP ROOFING CARPET

CAST-IN-PLACE CAST IRON CATCH BASIN CEILING CEMENT CENTER LINE CERAMIC TILE

CLEARANCE CLOSET COLUMN

CONCRETE CONCRETE MASONRY UNIT CONSTRUCTION CONTINUOUS

CONTRACTOR CONTROL JOINT COURSES CUBIC FOOT(AGE) DETAIL DIAMETER DIMENSION DISPENSER DOOR DOWN DOWNSPOUT DRAWING (S)

DRINKING FÓUNTAIN EACH ELECTRICAL ELEVATION ELEVATOR ENCLOSURE

BLDG. EQUAL EQUIPMENT EXHAUST EXISTING EXPANSION EXPANSION JOINT FXPOSED

> EXTERIOR FACE OF FACE OF CONCRETE FACE OF FINISH FACE OF MASONRY FEET FINISH

FINISH FLOOR ELEVATION FINISH GRADE FINISH SURFACE

CONTR. FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET C.J. CRS. CF FIRE RATED FIXTURE FLASHING DET. FLOOR DIA. FLOORING DIM. DISP FLOOR PLAN FOOTING FOUNDATION DR DN. FLUORESCENT DS. DWG. (S) GALVANIZED D.F. GAUGE GENERAL CONTRACTOR EA. GLASS ELEC. GYPSUM ELEV. GYPSUM WALLBOARD EL. ENCL. EQ. HANDICAP ACCESSIBLE HARDWARE EQUIP. HEATER EXH. HEATING, VENTING, AND EXIST. AIR CONDITIONING EXP. E.J. HEIGHT HIGH POINT HOLLOW CORE EXP. EXT. HOLLOW METAL HORIZONTAL F.O. HOUR F.O.C. F.O.F. INCANDESCENT F.O.M. INCH FT. INCLUDING FIN. INSIDE DIAMETER F.F.E. INSULATION F.G. F.S.

INTERIOR

F.E. F.E.C. FIX. FLASH'G FLR. FLR'G FLR'G F.P. FTG. FDNT. FLUOR GALV. GALV. GALV. GAL. GYP.	JANITOR JOINT JOIST LAMINATED LAVATORY LEVEL LIGHTING LINE LINOLEUM LONG LEG HO LONG LEG HO LONG LEG VEI LOW POINT MANUFACTUR MASONRY
H.C. HDW. HTR. HVAC HGT. H.P. H.C. H.M. HORIZ. HR.	MAXIMUM MECHANICAL MEMBRANE METAL MINIMUM MISCELLANEC MOUNTED NON-COMBUS NOT APPLICAE NOT IN CONTEN NOT TO SCALE NUMBER
INCAN. IN. INCL I.D. INS. INT.	OCCUPANT / C ON CENTER OPENING OPPOSITE OPPOSITE HAI OUTSIDE DIAM

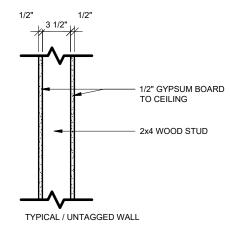
# GENE

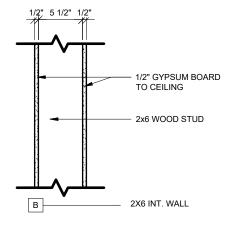
ALL CONTRA CONFIRMIN PROCEEDIN QUESTIONS QUESTIONS CLARIFICAT THE WORK I 5. THE OW DESIGN PRO ARISING FR CONTRACTO CONTRACTO THE CONTR 6. THE WC LABOR, MAT GENERAL CO AND ELECTI COMPLETE ( 7. ALL PRO MATERIALS/ SPECIFICAT PERFORMAN PROFESSION 8. ALL MA INSTALLED A CODES AND

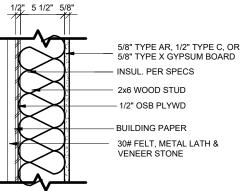
GENERAL NOTES	INDEX TO DRAWINGS	
<ol> <li>THE CONTRACTORS ARE TO KEEP A SET OF STATE APPROVED PLANS AT THE JOB SITE AT ALL TIMES.</li> <li>A PRE-CONSTRUCTION CONFERENCE MAY BE HELD WITH THE CONTRACTORS BEFORE ANY WORK COMMENCES AS DIRECTED BY THE OWNER.</li> <li>ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH FEDERAL BUILDING, PLUMBING, ELECTRICAL, AND HVAC CODE CURRENTLY IN EFFECT.</li> <li>THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL CONTRACT DOCUMENTS FOR THEIR ACCURACY AND CONFIRMING THAT WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION. IF THERE ARE ANY QUESTIONS REGARDING THESE, OR OTHER COORDINATION QUESTIONS REGARDING THESE, OR OTHER COORDINATION QUESTIONS REGARDING THESE, OR OTHER COORDINATION QUESTIONS REGARDING THESE, OR OTHER PROCEEDING WITH THE WORK IN QUESTION OR RELATED WORK.</li> <li>THE OWNER SHALL INDEMNIFY AND HOLD HARMLESS THE DESIGN PROFESSIONAL FROM ANY CLAIM OR SUIT WHATSOEVER ARISING FOM, OR ALLEGED TO HAVE ARISEN FROM, THE CONTRACTOR'S PERFORMANCE OR THE FAILURE OF THE CONTRACTOR'S WORK TO CONFORM TO THE DESIGN INTENT OF THE CONTRACT DOCUMENTS.</li> <li>THE WORK UNDER THE CONTRACT SHALL INCLUDE ALL LABOR, MATERIALS, TOOLS, FEES, INSURANCE, TAXES, ETC. FOR GENERAL CONSTRUCTION, NCLUDING MECHANICAL, PLUMBING AND ELECTRICAL CONSTRUCTION, AS APPLICABLE, FOR THE COMPLETE CONSTRUCTION, AS APPLICABLE, FOR THE COMPLETE CONSTRUCTION, AS APPLICABLE, FOR THE COMPLETE CONSTRUCTION, AS APPROVED BY DESIGN PROFESSIONAL IN CHARGE.</li> <li>ALL MATERIALS, SUPPLIES, AND EQUIPMENT SHALL BE INSTALLED AS PER MANUF. SPECIFICATIONS AND AS PER LOCAL CODES AND REQUIREMENTS, LOCATED PER PLAN</li> <li>THE CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS AT THE JOB SITE.</li> <li>THE CONTRACTOR IN STALL BE ASSUMED THE ASPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, SEQUENCE OR PROCEDURES IN REGARDS TO THE MANNER IN WHICH THE STRUCTURE IS BUILT.</li> <li>ALL MATERIALS, SUPPLIES, AND EQUIPMENT SHALL BE NINGED STALED AS PER DROVIDED FOR THE PROPERTY.</li> <li>ALL BUILDING SETBACKS ARE</li></ol>	ATS TITLE SHEET GN1 GENERAL NOTES GN2 SPECIFICATIONS GN3 ADA NOTES GN4 ADA NOTES GN5 ADA NOTES & MOUNTING HEIGHTS C100 SITE PLAN A100 FLOOR PLAN A200 EXTERIOR ELEVATIONS A201 MASS MODELS A300 CROSS SECTION A600 SCHEDULES E100 ELECTRICALPLAN	ROPOSED FOR: KARUK ORLEANS TRIBAL BUILDINGS ORLEANS, CA ORLEANS TRIBAL BUILDINGS ORLEANS TRIBAL BUILDINGS
<ol> <li>THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN, ADEQUACY, &amp; SAFETY OF ERECTING BRACING, SHORING &amp; TEMPORARY SUPPORTS, ETC. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE PRIOR TO THE APPLICATION OF ALL SHEAR WALLS, ROOF SHEATHING, STRUCTURAL ELEMENTS &amp; FINISH MATERIALS.</li> <li>THE GENERAL CONTRACTOR SHALL PERFORM HIGH QUALITY PROFESSIONAL WORK; JOIN MATERIALS TO UNIFORM, ACCURATE FITS SO THAT THEY MEET WITH NEAT, STRAIGHT LINES, FREE OF SMEARS OR OVERLAPS; INSTALL EXPOSED MATERIALS APPROPRIATELY LEVEL, PLUMB AND AT ACCURATE RIGHT ANGLES OR FLUSH WITH ADJOINING MATERIALS. WORK OF EACH TRADE SHALL MEET ALL NATIONAL STANDARDS PUBLISHED BY THAT TRADE, EXCEPT IN THE CASE WHERE THE CONTRACT DOCUMENTS ARE MORE STRINGENT.</li> <li>ALL EXISTING BUILDING DIMENSIONS MUST BE FIELD VERIFIED.</li> <li>WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF DRAWINGS. CONTRACTOR(S) TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY DESIGNER OF ANY DISCREPANCIES.</li> <li>ALL DIMENSIONS TO FACE OF STUD OR CONCRETE WALLS, U.N.O</li> <li>SEE SITE PLAN FOR NOTES AND DIMENSIONS NOT SHOWN.</li> <li>SEE ELEVATIONS, INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR MATERIALS NOT CALLED OUT.</li> <li>IF APPLICABLE, THE FIRE RATING OF WALLED SINURES (BATH UNITS, VANITIES, CEILING FANS, ELECTRICAL BOXES, EXHAUST FANS, ETC.</li> <li>THE CONTRACTOR SHALL TAKE ABSOLUTE CARE TO PROTECT NEWLY INSTALLED MATERIALS, MILLWORK, BUILT-INS &amp; FINISHES.</li> <li>THE CONTRACTOR SHALL PROVIDE ALL DPERATING AND MAINTENANCE DATA AND ALL MANUFACTURER'S, INSTALLER'S AND APPLICATORS GUARANTEES, BONDS, WARRANTIES AND SERVICE INSTRUCTIONS.</li> <li>CONFIRM WINDOW OR DOOR NUMBER WITH MFR. AND SITE CONDITIONS. ALL OPERABLE WINDOWS AND DOORS SHALL HAVE REMOVABLE SCREENS.</li> <li>REFERENCE ELEVATIONS AND/OR BUILDING SECTIONS FOR WINDOW OPERATIONS.</li>          REFERENCE ELEVATIONS AND/OR BUILDING SECTIONS FOR WINDOW OPERATIONS.           REFERE</ol>		REVISIONS:
JANITORJAN.OVERFLOW DRAINJOINTJT.JOISTJSTPAINTEDLAMINATEDLAM.PANELLAVATORYLAV.PARTITIONLEVELLVL.PERFORATEDLIGHTINGLTG.LIGE HORIZONTALLINLONG LEG HORIZONTALLLHPONDS PER SQUARELONG LEG VERTICALLLVPROPERTYMANUFACTURERMFR.MASONRYMAS.QUARRY TILEMASONRY OPENINGM.O.MATERIALMAT.RADIUSMASINMMMAX.REINFORCINGMEMBRANEMEMB.RESILIENT FLOORINGMETALMTL.RETURN AIRMINIMUMMIN.REVISIONMISCELLANEOUSMISC.MISCELLANEOUSMISC.MOUNTEDMTD.ROOF DRAINNON-COMBUSTIBLEN.A.ROUGH OPENINGNOT APPLICABLEN.A.ROUGH OPENINGNOT IN CONTRACTN.I.C.RUBBER	EINCHPSITOP OF CONCRETET.O.C.TEDP.T.TOP OF FOOTINGT.O.F.PROP.TOP OF RAILT.O.R.TOP OF STEELT.O.S.QTY.TOP OF WALLT.O.W.Q.T.TREADT.TREATEDTRTR.TRENCH DRAINT.D.REINF.TYPICALTYP.REQ'D.REV.UNDERWRITERSU.L.R.A.LABORATORIESU.N.O.R.D.VENEER PLASTERV.P.RM.VERIFY IN FIELDV.I.F.R.O.VERTICALVERT.RUBR.VINYL COMPOSITION TILEVCT.	APPROVED:
NOT TO SCALEN.T.S.NUMBERNO.SECTION SHEETOCCUPANT / OCCUPANCYOCC.SIMILARON CENTERO.C.SOLID COREOPENINGOPNG.SPECIFICATIONSOPPOSITEOPP.SQUAREOPPOSITE HANDO.H.SQUARE FOOT(AGE)OUTSIDE DIAMETERO.D.STAINLESS STEEL STANDARD	VINYL WALL COVERINGVWC.SEC.SHT.WATER CLOSETW.C.SIM.WATERPROOFINGW.P.S.C.WELDED WIRE FABRICW.W.F.SPEC.WIDE FLANGEW.F.SQ.WINDOWWDW.SFWITHW/SSTL.WITHOUTW/OSTD.WOODWD.	ATS

1. GENERAL

- 1A. SEE GN1-5 FOR SPECIFICATIONS AND OTHER DRAWINGS FOR INFO
- NOT SHOWN
- 2. SITE WORK
- 2A. 3. CONCRETE
- 3A. SLAB ON GRADE. LEVEL SLAB TO MATCH BUILDING B FLOORING.
- 3B. PROTECT SLAB, FINISH PER SCHED.
- 4. MASONRY
- 5. METALS
- 5A. GUTTER AND DOWNSPOUTS CONNECT TO CIVIL STORM WATER DESIGN
- 5B. METAL ROOF (TO MATCH EXISTING)
- 6. WOOD AND PLASTICS
- 6A. ALL WALL DIMENSIONS TO FACE OF STUD OR CENTER OF ROUGH OPENING, U.N.O.
- 6B. SEE GN1 FOR ALL WALL TYPES AND TAGS
- 6C. INTERIOR WINDOW & DOOR TRIM.
- 6D. ALL TOILET & EXTERIOR WALLS SHALL BE 2X6 CONSTRUCTION
- U.N.O. 6E. FINAL R.O. PER DOOR/WDW MFR
- 6F. ALL DOORS TO BE 3" FROM NEAREST STUD WALL, U.N.O.
- 6G. WALL BASE
- 7. THERMAL AND WATER PROOFING PROTECTION
- 7A. INSULATION PER SPECS
- 7B. ANY REMOVABLE FORM WORK TO UTILIZE LOW-TOXICITY FORM RELEASE AGENTS
- 7C. ALL WATERPROOFING SYSTEMS TO BE WATER BASED
- 7D. BUILDING WRAP PER SPECS
- 7E. UNDER SLAB VAPOR BARRIER
- 7F. FIBER CEMENT HORIZONTAL LAP SIDING (TO MATCH EXISTING)
- 7G. 5/4, 4" DOOR & WINDOW TRIM (TO MATCH EXISTING)
- 7H. 5/4, 4" PRE-PRIMED, CEMENT FIBER EXT. CORNER TRIM BD. (TO MATCH EXISTING)
- 7I. FIBER CEMENT SOFFIT BD W/VENT (TO MATCH EXISTING)
- 7J. RIDGE VENT
- 7K. 4" FRIEZE BOARD (TO MATCH EXISTING)
- 7L. 8 BELLY BAND (TO MATCH EXISTING)
- 8. DOORS AND WINDOWS
- 8A. SEE DOOR AND WINDOW SCHEDULE
- 9. FINISHES
- 9A. SEE FINISH SCHEDULE AND SPECIFICATIONS FOR ADD'L INFO
- 9B. ALL MATERIALS TO WRAP TO NEAREST INSIDE CORNER OR TO
- TRANSITION AS SHOWN 9C. GYPSUM BOARD, PAINTED, FINISH PER SCHEDULES, COLOR TBD
- BY OWNER
- 9D. 1x6 T&G PINE CEILING (TO MATCH EXISTING)
- 10. SPECIALTIES
- **10A. FURNITURE SHOWN FOR REFERENCE ONLY**
- 11.EQUIPMENT
- 11A. ALL APPLIANCES AND FIXTURES TO BE ENERGY STAR RATED
- 13. ACCESSIBLE ELEMENTS (SEE GN2-4 FOR ADDITIONAL INFO)
- 13A. 5' TURNING RADIUS OR 5' "T" SPACE
- 15/16. MEP
- 15A. WATER FOUNTAIN (TO REMAIN) RELOCATE AS NEEDED
- 15B. TAP INTO EXISTING HEAT/ AC
- 15C. RELOCATE EXISTING MECHANICAL EQUIPMENT

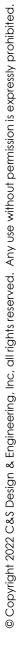


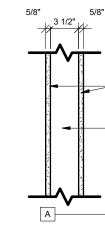




D \_\_\_\_\_

— TYP. EXT. STONE WALL



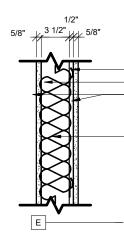


- 5/8" TYPE AR, 1/2" TYPE C, OR 5/8" TYPE X GYPSUM BOARD - 2x4 WOOD STUD

1/2" 5 1/2" 5/8" 

C –

5/8" TYPE AR, 1/2" TYPE C, OR 5/8" TYPE X GYPSUM BOARD - INSUL. PER SPECS - 2x6 WOOD STUD — 1/2" OSB PLYWD - BUILDING PAPER FINISH PER ELEVATIONS



TYP. EXT. WALL 1HR RATED WALLS

- RC CHANNEL - SOUND BATT PER SPECS — 5/8" TYPE AR, 1/2" TYPE C, OR 5/8" TYPE X GYPSUM BOARD - 2x4 WOOD STUD

SOUND RESILIENT WALLS

UL CLASS A + +

1 HOUR RATED WALLS

KARUK ORLEANS TRIBAL BUILDINGS	GENERAL NOTES
DESIGN &	2023 6th Street West, Ashland, WI 54806 Telephone (715) 682-0330 www.csdesignengineering.com
DRAWN: SCALE: AS N DATE: January PROJECT NO.	R R OTED 25, 2023
APPROVED:	
SHEET NO.	N1

 2X4 WOOD TRUSSES
 PITCHED OR PARALLEL SPACED MAX 24"

- CEILING DAMPER - AIR DUCT: ANY UL CLASS 0 OR CLASS 1 FLEX. - BATT INSULATION

5/8" GYP BRD

## SPECIFICATIONS

#### **DIVISION 1. GENERAL REQUIREMENTS**

1. ALL WORK AND MATERIALS FURNISHED SHALL COMPLY WITH APPLICABLE BUILDING CODES, INCLUDING, BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE, THE REGULATIONS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS, NATIONAL FIRE PROTECTIVE ASSOCIATION REQUIREMENTS AND ALL FEDERAL, STATE, AND MUNICIPAL AUTHORITIES HAVING JURISDICTION OVER THE WORK - SEE TITLE SHEET

2. CONTRACTOR IS RESPONSIBLE FOR SECURING AND OBTAINING ALL NECESSARY PERMITS, APPROVALS, AND INSPECTIONS AND PAYING ALL APPLICABLE FEES FOR ALL TRADES

3. CONTRACTORS MUST COMPLY WITH ALL APPROPRIATE MUNICIPAL AND REGULATORY AGENCIES, CODES AND REQUIREMENTS. THE CONTRACTOR SHALL SUBMIT CERTIFICATES OF INSURANCE IN ACCORDANCE WITH CONTRACT REQUIREMENTS AND SHALL INCLUDE A HOLD HARMLESS CLAUSE FOR THE OWNER, BUILDING MANAGEMENT, AND ARCHITECT.

4. CONTRACTOR SHALL PROVIDE CONTROLLED INSPECTIONS AS REQUIRED FOR APPROVAL BY THE CLIENT AND/OR JURISDICTION. ALL CONTROLLED INSPECTIONS ARE TO BE PERFORMED BY LICENSED PROFESSIONALS AND THE COST OF THESE SERVICES IS TO BE PAID BY THE OWNER OR AS DEFINED IN THE CONSTRUCTION CONTRACT. INSPECTIONS TO ALSO BE COMPLETED BY THE OWNER UPON COMPLETION OF EACH STAGE OF WORK.

5. THE SUBMISSION OF A PROPOSAL BY THE CONTRACTOR WILL BE CONSTRUED AS EVIDENCE THAT A CAREFUL AND THOROUGH EXAMINATION OF THE PREMISES HAS BEEN MADE AND LATER CLAIMS FOR LABOR, MATERIALS OR EQUIPMENT REQUIRED OR FOR DIFFICULTIES ENCOUNTERED, WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE, WILL NOT BE RECOGNIZED. IT SHALL ALSO CONSTITUTE A REPRESENTATION THAT THE CONTRACTOR HAS CHECKED AND VERIFIED ALL QUANTITIES, WORK AND MATERIALS INVOLVED AND THAT HE OR SHE SHALL TAKE RESPONSIBILITY OR ANY DEFICIENCIES THEREIN.

6. BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK, EACH TRADE SHALL VERIFY ALL MEASUREMENTS AT THE BUILDING AND SHALL BE RESPONSIBLE FOR CORRECTNESS OF SAME. NO EXTRA CHARGE OR COMPENSATIONS WILL BE ALLOWED ON ACCOUNT OF DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND THE MEASUREMENTS INDICATED ON THE DRAWINGS: ANY DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS WHICH MAY BE FOUND SHALL BE SUBMITTED TO THE ARCHITECT FOR CONSIDERATION AND CLARIFICATION BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS.

7. ALL THE ARCHITECT'S DRAWINGS AND CONSTRUCTION NOTES ARE COMPLIMENTARY AND WHAT IS CALLED FOR BY EITHER WILL BE BINDING AS IF CALLED FOR BY ALL; ANY WORK SHOWN OR REFERRED TO ON ANY ONE DRAWING SHALL BE PROVIDED AS SHOWN ON ALL DRAWINGS. WHENEVER AN ITEMS SPECIFIED AND/OR SHOWN ON THE DRAWINGS BY DETAIL OR REFERENCE IT SHALL BE CONSIDERED TYPICAL FOR OTHER ITEMS WHICH ARE OBVIOUSLY INTENDED TO BE THE SAME, EVEN THOUGH NOT SO DESIGNATED OR SPECIFICALLY NAMED BUT DO SERVE THE SAME FUNCTION.

8. FULL SIZE OR LARGE SCALE DETAILS OR DRAWINGS SHALL GOVERN SMALL SCALE DRAWINGS WHICH THEY ARE INTENDED TO AMPLIFY. DETAILS OR CONDITIONS INDICATED FOR A PORTION OF THE WORK BUT NOT CARRIED OUT FULLY FOR OTHER PORTIONS SHALL APPLY THROUGHOUT TO ALL SIMILAR PORTIONS EXCEPT AS OTHERWISE SPECIFICALLY NOTED. IN EVERY CASE A MORE EXPENSIVE ITEM OR METHOD SHALL BE ASSUMED OVER A LESS EXPENSIVE ONE AND DIMENSIONS SHALL BE FIGURED RATHER THAN DETERMINED BY RULE OR SCALE.

9. THE CHARACTER AND SCOPE OF THE WORK ARE ILLUSTRATED BY THE DRAWINGS. TO INTERPRET AND EXPLAIN THE DRAWINGS, OTHER INFORMATION DEEMED NECESSARY BY THE ARCHITECT WILL BE FURNISHED TO CONTRACTOR WHEN AND AS REQUIRED BY THE WORK. IT IS TO BE UNDERSTOOD THAT THE SAID ADDITIONAL DRAWINGS ARE TO BE OF EQUAL FORCE AS THE ORIGINAL DRAWINGS, AND SHALL BE CONSIDERED AS FORMING A PART OF THIS SET.

10. THE CONTRACTOR SHALL ABIDE BY AND COMPLY WITH THE TRUE INTENT AND MEANING OF THE DRAWINGS AND NOTES TAKEN AS A WHOLE AND SHALL NOT AVAIL HIMSELF OF ANY OBVIOUS ERRORS AND OMISSIONS, SHOULD ANY EXIST. SHOULD ANY ERROR OR DISCREPANCY APPEAR OR ANY DOUBT ARISE AS TO THE TRUE MEANING OF THE DRAWINGS OR NOTES THE CONTRACTOR SHALL BRING SUCH ITEMS TO THE ATTENTION OF THE ARCHITECT BEFORE SUBMISSION OF PROPOSAL FOR EXPLANATION OR CORRECTION OF SAME. AFTER SUBMISSION OF PROPOSAL, THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL SUCH ITEMS.

11. THE WORK TO BE PERFORMED CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, TOOLS, TRANSPORTATION, SUPPLIES, FEES, MATERIALS, AND SERVICES IN ACCORDANCE WITH THESE NOTES AND DRAWINGS: AND INCLUDES PERFORMING ALL OPERATIONS NECESSARY TO CONSTRUCT AND INSTALL COMPLETE. IN SATISFACTORY CONDITION, THE VARIOUS MATERIALS AND EQUIPMENT AT THE LOCATIONS SHOWN. IT IS INTENDED THAT THE DRAWINGS INCLUDE EVERYTHING REQUISITE AND NECESSARY TO FINISH THE ENTIRE WORK PROPERLY, NOTWITHSTANDING THE FACT THAT EVERY ITEM NECESSARILY INVOLVED MAY NOT BE SPECIFICALLY MENTIONED OR SHOWN. ANY ITEM WHICH MAY BE REASONABLY CONSTRUED AS INCIDENTAL TO THE PROPER AND SATISFACTORY COMPLETION OF THE WORK IN ACCORDANCE WITH THE INTENT OF THESE NOTES AND DRAWINGS IS HEREBY INCLUDED.

12. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF HE CANNOT FOR ANY REASON COMPLY WITH ALL THE REQUIREMENTS OF THESE NOTES AND DRAWINGS.

13. THE CONTRACTOR SHALL SUBMIT IN WRITING ALL PROPOSALS FOR ADDITIONAL WORK TO THE ARCHITECT FOR REVIEW AND APPROVAL. NO ADDITIONAL WORK IS TO PROCEED UNTIL A SIGNED AUTHORIZATION TO PROCEED IS RETURNED TO CONTRACTOR

14. WORK AFFECTED BY CHANGES PROPOSED IN ANY REVISED DRAWINGS OR OTHER DOCUMENTS ISSUED TO THE CONTRACTOR SHALL NOT BE EXECUTED UNLESS CHANGES ARE ACCOMPANIED BY LETTER OF AUTHORIZATION TO PROCEED ACCORDINGLY, IN CASES WHERE INSTRUCTIONS ACCOMPANYING AN ISSUE OF REVISED DRAWINGS OR SPECIFICATIONS REQUEST ESTIMATES OF COST, SUCH ESTIMATES SHALL BE PREPARED AND SUBMITTED PROMPTLY IN ORDER NOT TO AFFECT THE PROGRESS OF THE WORK.

15. PAYMENT WILL NOT BE MADE TO GENERAL CONTRACTOR ON CHANGES OR EXTRAS UNLESS THEY ARE APPROVED IN WRITING BY OWNER OR OWNER'S REPRESENTATIVES.

16. THE PROJECT HAS BEEN DESIGNED AND DETAILED FOR THE SPECIFIC MATERIALS AND EQUIPMENT SPECIFIED. NO SUBSTITUTIONS SHALL BE MADE WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ARCHITECT. IF THE SPECIFIED MATERIAL S NOT AVAILABLE. THE CONTRACTOR SHALL PROPOSE AN ALTERNATE MATERIAL AND SHALL PROVIDE DRAWINGS. SAMPLES SPECIFICATIONS, MANUFACTURER'S LITERATURE, PERFORMANCE DATA, ETC., IN ORDER THAT THE ARCHITECT CAN EVALUATE THE PROPOSED SUBSTITUTION. IF THE SUBSTITUTION AFFECTS A CORRELATED FUNCTION, ADJACENT CONSTRUCTION, OR THE WORK OF ANY OTHER CONTRACTOR OR TRADE, THE NECESSARY CHANGES AND MODIFICATIONS TO THE AFFECTED WORK SHALL BE ACCOMPLISHED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. NO REQUESTS FOR SUBSTITUTES WILL BE ENTERTAINED BY THE ARCHITECT DUE TO CONTRACTOR'S FAILURE TO ORDER MATERIALS IN A TIMELY MANNER

17. ALL MATERIALS REQUIRED FOR THE PERFORMANCE OF THIS WORK SHALL BE NEW AND OF THE BEST QUALITY OF THE KINDS SPECIFIED THE USE OF OLD OR SECOND-HAND MATERIALS IS STRICTLY FORBIDDEN. EXCEPT FOR LOCATIONS ON THE DRAWINGS THAT REFER TO REMOVAL AND RELOCATION OF MATERIALS OR EQUIPMENT. MATERIALS SHALL BE USED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT ALL PRODUCT WARRANTIES. THE CONTRACTOR SHALL WARRANTY ALL WORK AS PER CALIFORNIA REGULATIONS. UPON REQUEST, THE MANUFACTURER'S REPRESENTATIVE SHALL GO TO THE SITE AND INSTRUCT THE MECHANICS IN THE USE OF THE MATERIALS OR SHALL SUPERVISE THEIR USE.

18. THE STANDARD SPECIFICATIONS OF THE MANUFACTURERS APPROVED FOR USE IN THE PROJECT ARE HERE MADE A PART OF THESE NOTES WITH THE SAME FORCE AND EFFECT AS THOUGH HEREIN WRITTEN OUT IN THAT WHEREVER THE DRAWINGS REQUIRE HEAVIER MEMBERS, BETTER QUALITY MATERIALS OR ARE STRINGENT, THOSE MORE STRINGENT REQUIREMENTS SHALL GOVERN.

19. THE CONTRACTOR SHALL SUBMIT ALL FABRICATION SHOP DRAWINGS. SAMPLES, AND FIXTURE CUT-SHEETS FOR THE ARCHITECT'S AND ENGINEER'S REVIEW. INCLUDING, BUT NOT LIMITED TO, PRODUCT MATERIALS, FINISHES AND TRUSS/FRAMING SUBMITTALS. THE ARCHITECT'S/ENGINEER'S APPROVAL SHALL NOT BE CONSTRUED AS AN INDICATION THAT THE SUBMITTAL IS CORRECT OR SUITABLE NOR THAT THE WORK REPRESENTED BY THE SUBMITTAL COMPLIES WITH THE DRAWINGS, EXCEPT AS TO MATTERS OF FINISH, COLOR, AND OTHER AESTHETIC MATTERS, ACTION NOTED ABOVE DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO COORDINATE ALL TRADES AND TO CHECK QUANTITIES AND DIMENSIONS AGAINST CONDITIONS IN THE FIELD. CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR ALL ERRORS ON THEIR DRAWINGS. CONTRACTOR TO CREATE AND PROVIDE A LIST OF ANTICIPATED SUBMITTALS TO THE PROJECT TEAM AT THE OUTSET OF THE PROJECT

20. EVERY EFFORT SHALL BE MADE BY THE ARCHITECTS/ENGINEERS TO RETURN SUBMITTALS WITHIN 1 WEEK'S TIME AND ALL INITIAL RESPONSES TO RFIS WITHIN 3-4 BUSINESS DAYS. 21. THE CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS COMPLETE WITH MANUFACTURER'S EQUIPMENT CUT-SHEETS, FOR

APPROVAL PRIOR TO COMMENCEMENT OF WORK. 22. WHEN "APPROVED EQUAL", "EQUAL TO", OR OTHER GENERAL QUALIFYING TERMS ARE USED IT SHALL BE BASED UPON THE REVIEW AND APPROVAL BY CLIENT OR HIS/HER REPRESENTATIVE. NO MATERIAL SUBSTITUTIONS SHALL BE 'MADE WITHOUT FIRST INFORMING CLIENT. SUBMIT SUBSTITUTE MATERIALS SPECIFICATIONS AND SAMPLES FOR APPROVAL, IN WRITING PRIOR

23. ANY MATERIALS DELIVERED OR WORK PERFORMED, CONTRARY TO THE DRAWINGS AND SPECIFICATIONS AND APPROVED SHOP DRAWINGS, SHALL BE REMOVED BY THE CONTRACTOR AT HIS OWN EXPENSE. AND THE SAME SHALL BE REPLACED WITH OTHER MATERIALS OR WORK SATISFACTORY TO THE ARCHITECT. THE CONTRACTOR SHALL ALSO ASSUME THE COST OF REPLACING THE WORK WHICH MAY BE DISTURBED.

24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY AND ACCURATELY LAYING OUT THE WORK AND FOR THE LINES AND MEASUREMENTS HEREIN. THE CONTRACTOR SHALL ESTABLISH NECESSARY REFERENCE LINES AND PERMANENT BENCHMARKS FROM WHICH BUILDING LINES AND ELEVATIONS SHALL BE TAKEN. HEIGHTS OF ALL WORK ,CALLED FOR "A.F.F." INCLUDING BUT NOT LIMITED TO SOFFITS, CEILINGS, DOORS, AND HOLLOW METAL SHALL BE TRUE AND LEVEL WITHIN A TOLERANCE OF 1/8" OVERALL THROUGHOUT THE ENTIRE PROJECT.

25. ALL HVAC, PLUMBING, SPRINKLER AND ELECTRICAL LINES ARE TO BE COORDINATED SO THAT NO CONFLICTS OCCUR. ANY CONFLICTS WHICH RESULT IN A RELOCATION OF A FINISHED SURFACE MUST BE BROUGHT TO THE ATTENTION OF THE OWNER/ARCHITECT/ENGINEER PRIOR TO INSTALLATION.

26. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL PROVIDE A ONE YEAR WARRANTY COVERING ALL WORK PERFORMED AND EQUIPMENT INSTALLED, FROM THE TIME OF SUBSTANTIAL COMPLETION.

27. THE CONTRACTOR SHALL KEEP THE ARCHITECT INFORMED OF THE PROGRESS OF THE WORK. NO WORK SHALL BE CLOSED OR COVERED UNTIL IT HAS BEEN DULY INSPECTED AND APPROVED. SHOULD UN-INSPECTED WORK BE COVERED THE CONTRACTOR SHALL, AT THEIR OWN EXPENSE, UNCOVER ALL SUCH WORK SO THAT IT CAN BE PROPERLY INSPECTED AND AFTER SUCH INSPECTION, SHALL PROPERLY BE REPAIRED AND REPLACED ALL WORK INTERFERED WITH

28. ALL WORK SHALL BE SUBJECT TO FINAL INSPECTION BY THE ARCHITECT AND ACCEPTANCE BY THE OWNER. 29. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF WORKERS, PUBLIC, AND PROPERTY.

30. A COPY OF THE LATEST SIGNED AND SEALED SET OF CONSTRUCTION DRAWINGS SHALL BE KEPT AT THE JOB SITE FOR REVIEW BY CLIENT THEIR REPRESENTATIVES THE ARCHITECT OR INSPECTORS

31. THE CONTRACTOR SHALL HAVE A COMPETENT SUPERINTENDENT ON THE PREMISES AT ALL TIMES WHEN THE WORK IS IN PROGRESS.

32. ALL PLUMBING AND ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES.

SUBSTITUTIONS WILL BE ACCEPTED BECAUSE OF FAILURE TO DO SO.

35. ELECTRICAL CLOSETS, PIPE AND DUCT SHAFTS CHASES, FURRED SPACES, CRAWL SPACES, ATTICS, AND SIMILAR SPACES MATERIALS, DIRT AND DUST.

36 CONTRACTOR SHALL PROTECT AND BE RESPONSIBLE FOR THE EXISTING STRUCTURE. FACILITIES AND IMPROVEMENTS. TO THE SATISFACTION OF THE CLIENT AT NO ADDITIONAL COST.

DEVICES ARE IN PLACE.

SPOTLESS AND ORDERLY CONDITION.

	39. EVERY EFFORT HAS BEEN MADE TO PROVIDE THE MOST ACCURATE AND DETAILED CONSTRUCTION DOCUM POSSIBLE BASED ON BUILDING INDUSTRY STANDARDS. CHANGE ORDERS RESULTING ONLY FROM THE FOLLOW
	CONDITIONS SHALL BE ALLOWED:
	i. ANY WRITTEN CHANGE ORDER REQUEST FROM OWNER/ARCHITECT.
	ii. ANY WRITTEN CHANGE ORDER REQUEST FROM ADDITIONAL WORK REQUIRED DUE TO NON-VISIBLE,
E	EXISTING CONDITIONS. WHICH COULD NOT BE ECONOMICALLY EXPOSED AND TAKEN INTO ACCOUNT PRIOR
E	DEMOLITION AND/OR CONSTRUCTION.
2	40. ALL BUILDING CONSTRUCTION SHALL CONFORM TO THE BUILDING CODES INDICATED ON THE TITLE SHEET.
E	i. ANY WRITTEN CHANGE ORDER REQUEST FROM OWNER/ARCHITECT. ii. ANY WRITTEN CHANGE ORDER REQUEST FROM ADDITIONAL WORK REQUIRED DUE TO NON-VISIE EXISTING CONDITIONS, WHICH COULD NOT BE ECONOMICALLY EXPOSED AND TAKEN INTO ACCOUNT PR DEMOLITION AND/OR CONSTRUCTION.

INTENTION THAT CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.

TO UNDERSTAND EXISTING CONDITIONS

COORDINATED BY THE CONTRACTOR

GOVERNMENT STANDARDS

46.	REFER	TO CONT	RACT FO	or addi	TIONAL	SPE

47. RE0	QUIRED TESTING
A.	TESTING AS FOLLOWS AND THROUGHO
	COMPLETED, IF SO REQUIRED IN LABS N
В.	COPIES OF ALL TEST RESULTS SHALL BI
C.	COPIES OF ALL TESTS SHALL BE PAID FO
D.	MECHANICAL: HVAC TEST AND BALANCI
E.	PLUMBING: PNEUMATIC AIR TESTING AT
F.	STRUCTURAL: CONCRETE COMPRESSIO
G.	STRUCTURAL: COMPACTION TESTING P
48 SAF	ETY OF PUBLIC AND PROPERTY
A.	INSTITUTE AND MAINTAIN SAFETY MEAS
	TEMPORARY CONSTRUCTION NECESSAI
	AND PROPERTY AFFECTED.
В.	STRUCTURES, DEVICES, OR CONSTRUCT
	IN EXCESS OF THEIR DESIGN CAPACITY.
C.	BEFORE USING CONSTRUCTION EQUIPM
	INSPECTED BY THE PERSON SUPERINTE
	CONDITIONS SHALL BE PROMPTLY CORF
D.	DETERMINE LOCATION, PROTECT AND S
	ADJACENT TO SITE. NOTIFY ALL UTILITY
	REQUIRED.
E.	MAINTAIN FIRE PREVENTIVE, SANITARY
F.	ALL MACHINES, TOOLS, SERVICE LINES
	BARRICADED TO PROVIDE SAFETY AND
G.	NO MATERIALS SHALL BE DROPPED OR
	OF THE BUILDING.
н	AREAS LISED BY THE DUBLIC SHALL BE M

#### **DIVISION 2. SITE WORK**

EQUIPMENT & MATERIALS

PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION. CONTRACTOR SHALL VERIFY LOCATION(S) OF BUILDING PROJECT, DRIVEWAY,

	VEGETATION AND ALL UTILITIES WITH 1
	PRIOR TO STARTING CONSTRUCTION.
2.	ALL FINISH GRADING SHALL PROVIDE P
	PROVIDE ADDITIONAL MATERIAL AS REC
3.	SITE EROSION CONTROL REQUIRED.

0.	CHE ENGOION CONTINUE NEGOINED.
4.	REFER TO CIVIL DRAWINGS DRAWINGS FOR ADDITIONAL I
5.	CONTRACTOR RESPONSIBLE FOR GRADING, BUILDING SID
	FINISH ASPHALT, STRIPING, PARKING SIGNAGE AND CURB
	COMPLETED UNDER SEPARATE PROJECT BY OTHERS)

#### **DIVISION 3. CONCRETE**

ALL CONCRETE CONSTRUCTION TO CONFORM TO ACI "BUIL
REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318-(MC
"SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILD
OTHERWISE.
ALL REINFORCING STEEL TO BE DETAILED IN ACCORDANCE
STANDARD PRACTICE FOR DETAILING REINFORCED
REFER TO STRUCTURAL DRAWINGS AND GEOTECH REPORT
REINFORCING AND CONCRETE RELATED SPECIFICATIONS.
CONCRETE STRENGTH TESTING CONFIRMING RECOMMEND

TO BE PERFORMED BY CONTRACTOR IN ACCORDANCE WITH THE STRUCTURAL

- SPECIFICATION REQUIREMENTS. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR DRAINS,
- RESPONSIBLE FOR PLACING THEIR ITEMS.
- BASES AT MECHANICAL EQUIPMENT. LEVEL SLAB TO MATCH EXISTING FLOORING IN BUILDING B 7.

**DIVISION 4. MASONRY VENEER** N/A

# **DIVISION 5. METAL**

SEE S SHEETS FOR STRUCTURAL SPECIFICATIONS CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION 5A. GUTTER AND DOWNSPOUTS 4" Ø, .019 ALUMINUM (EQUAL TO 26 GAUGE GALVANIZED METAL). SEAL END CAPS AND JOINTS WITH HIGH GRADE SEALANT. LOCATION OF GUTTERS AND DOWNSPOUTS PER PLANS. SEE CIVIL DRAWINGS FOR LOCATIONS OF STORM DRAIN SYSTEM AND POC.

**DIVISION 6. WOOD AND PLASTICS:** 6A-B, 6D-6F. ROUGH CARPENTRY: SEE STRUCTURAL SHEETS FOR SPECIFICATIONS 6C WINDOW AND DOOR TRIM: TIMELY DOOR FRAMES, DRYWALL RETURNS WITH MARBLE SILLS AT WINDOWS.

TO COMMENCEMENT OF WORK.

#### 33. THE GENERAL CONTRACTOR SHALL COORDINATE THEIR OWN WORK WITH THE WORK OF ALL OTHER CONTRACTORS, WHETHER THEIR OWN OR THOSE ON SEPARATE CONTRACT, PRIOR TO COMMENCING WORK, THE GENERAL CONTRACTOR SHALL PROVIDE A WORK SCHEDULE TO SHOW ESTIMATED COMMENCEMENT AND COMPLETION DATES OF EACH TRADE IDENTIFYING ANY LONG LEAD TIMES. CONTRACTOR SHALL BE RESPONSIBLE FOR GIVING ALL TRADES SUCH INFORMATION. PLANS OR DETAILS AS MAY BE REQUIRED FOR THE PROPER INSTALLATION OF THEIR WORK. ALL MATERIALS SHALL BE ORDERED SUFFICIENTLY AHEAD OF TIME SO THAT WORK CAN PROCEED ON SCHEDULE. WHERE APPLICABLE, NO

#### 34. THE PREMISES AND THE JOB SITE SHALL BE MAINTAINED IN A REASONABLY NEAT AND ORDERLY CONDITION AND KEPT FREE FROM ACCUMULATIONS OF WASTE MATERIALS AND RUBBISH DURING THE ENTIRE CONSTRUCTION PERIOD. REMOVE CRATES, CARTONS AND OTHER FLAMMABLE WASTE MATERIALS OR TRASH FROM THE WORK AREAS AT THE END OF EACH WORKING DAY. NO MATERIAL OR DEBRIS STORAGE SHALL BE PERMITTED IN THE STREET OR ON SIDEWALKS AT ANY TIME

SHALL BE CLEANED AND LEFT FREE FROM RUBBISH LOOSE PLASTER, MORTAR DRIPPINGS, EXTRANEOUS CONSTRUCTION

AD IOINING THE AREA LINDER THIS CONTRACT, ANY DISTURBANCE OR DAMAGE TO ADJOINING PROPERTY RESULTING DIRECTLY OR INDIRECTLY FROM THE CONTRACTOR'S OPERATIONS SHALL BE PROMPTLY RESTORED, REPAIRED OR REPLACED

#### 37. CLEAN UP IMMEDIATELY UPON COMPLETION OF EACH TRADE'S WORK. CLEANING INCLUDES THE REMOVAL OF TRASH AND RUBBISH FROM THESE AREAS, BROOM CLEANING OF FLOORS, THE REMOVAL OF ANY PLASTER, MORTAR, DUST AND OTHER EXTRANEOUS MATERIALS FROM FINISH SURFACES, INCLUDING BUT NOT LIMITED TO MISCELLANEOUS METAL, WOODWORK, PLASTER, GLASS, GYPSUM DRYWALL, MASONRY, CONCRETE, MECHANICAL AND ELECTRICAL EQUIPMENT, PIPING DUCTWORK, CONDUIT, AND SURFACES VISIBLE AFTER PERMANENT FIXTURES, GRILLES, REGISTERS, AND OTHER SUCH FIXTURES OR

38. CONTRACTOR SHALL PROVIDE ALL OTHER CLEANING AS REQUIRED TO TURN THE PREMISES OVER TO THE OWNER IN A

#### DE THE MOST ACCURATE AND DETAILED CONSTRUCTION DOCUMENTS AS IDARDS. CHANGE ORDERS RESULTING ONLY FROM THE FOLLOWING

#### UEST FROM OWNER/ARCHITECT. UEST FROM ADDITIONAL WORK REQUIRED DUE TO NON-VISIBLE, HIDDEN

BE ECONOMICALLY EXPOSED AND TAKEN INTO ACCOUNT PRIOR TO ACTUAL

#### 41. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT JOBSITE BEFORE COMMENCING WORK AND SHALL RESOLVE ANY DISCREPANCIES WITH THE OWNER/ARCHITECT. DO NOT SCALE DRAWINGS; USE WRITTEN DIMENSIONS.

42. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE: THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. WHERE ANY DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, NOTES AND SPECIFICATIONS, THE GREATER. MORE STRINGENT REQUIREMENTS SHALL GOVERN. WHERE NO SPECIFIC DETAIL IS SHOWN, IT IS THE

43. THE SITE SHALL BE EXAMINED AND INSPECTED BY THE CONTRACTOR FOR EXISTING CONDITIONS THAT MAY HAVE A BEARING ON THE WORK. NO ALLOWANCE SHALL BE MADE ON BEHALF OF THE CONTRACTOR FOR ERRORS DUE TO FAILURE

44. ALL TEMPORARY POWER AND WATER FOR CONSTRUCTION PURPOSES SHALL BE FURNISHED AND PAID FOR AND

#### 45. THE CONTRACTOR AND SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SAFETY PROCEDURES AND PRECAUTIONS FOR ALL WORKMEN IN COMPLIANCE WITH CURRENT ACCEPTED INDUSTRY AND

ECIFICATION REQUIREMENTS.

OUT SHALL BE COMPLETED BY THOSE CERTIFIED IN SUCH TESTING AND MEETING REQUIREMENTS OF EACH INDIVIDUAL TEST. BE PROVIDED TO THE OWNER, ARCHITECT AND ENGINEER FOR REVIEW. OR BY CONTRACTOR E PER MECHANICAL MEP001 T PIPING PER PLUMBING SCHEDULES ON MEP001

#### ON TESTING PER S000 PER S000

SURES AND PROVIDE ALL EQUIPMENT OR RY TO SAFEGUARD ALL PERSONS

TION EQUIPMENT SHALL NOT BE LOADED

#### MENT OR DEVICES SAME SHALL BE ENDING THE WORK. AND DEFECTS OR UNSAFE RECTED BEFORE USE. SAFEGUARD ALL UTILITIES ON OR

# AND SAFETY FACILITIES.

AND CONDUITS SHALL BE SHIELDED OR PREVENT CONTACT BY THE PUBLIC. THROWN OUTSIDE THE EXTERIOR WALLS

AREAS USED BY THE PUBLIC SHALL BE MAINTAINED FREE FROM DEBRIS,

#### ALL WORK THIS SECTION TO BE PROVIDED AND INSTALLED BY CONTRACTOR. CONTRACTOR TO

THE TRIBE AND ALL OTHER PROPER AGENCIES

#### POSITIVE DRAINAGE AWAY FROM BUILDING. QUIRED FOR PROPER DRAINAGE.

FOR ADDITIONAL INFORMATION. DING, BUILDING SIDEWALKS AND UTILITIES. IGNAGE AND CURB AND GUTTER NIC. (TO BE

#### FORM TO ACI "BUILDING COENET EDITION) AND ACI CRETE" ACI 318-(MOST

NCRETE FOR BUILDINGS" ACI 301, UNLESS NOTED ED IN ACCORDANCE WITH ACI "MANUAL OF CONCRETE STRUCTURES." EINFORCED GEOTECH REPORT FOR ALL CONCRETE,

## MING RECOMMENDATIONS OF GEOTECH

SLEEVES, OUTLET BOXES, CONDUIT, ANCHORS, ETC. THE VARIOUS TRADES ARE

#### REFER TO MECHANICAL DRAWINGS FOR HOUSEKEEPING PADS AND INERTIA

5B.METAL ROOF: ASC BUILDING PRODUCTS, SKYLINE, 16" PAN OR EQUAL. STANDARD COLOR, TBD BY OWNER.

DIVISION 7. THERMAL AND WATER PROOFING PROTECTION SEE ADDITIONAL NOTES ON DETAILS

7A. INSULATION - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION. INSULATION SHALL COMPLY WITH IBC AND IECC 2019, SECTIONS C402.2.1 THROUGH C402.2.7 AND TABLE C402.1.3. 1. INSTALL INSULATION TO PROVIDE COMPLETE ENCLOSURE OF ALL CONDITIONED

- SPACES, INCLUDING ALL SHIM SPACES AT DOORS AND WINDOWS IN EXTERIOR WALLS. SHALL COMPLY R-VALUES FOR ZONE 1 PER TABLE C402.1.3 OR (U-FACTOR PER C402.1.4)
- . ROOF: ATTIC AND OTHER ROOF ASSEMBLIES : R-38 (U-0.027) 3. WALLS: WOOD FRAMED AND OTHER : R-13 + R3.8ci OR R-20 (U-0.064)
- 4. SLAB ON GRADE FLOORS- UNHEATED : NOT REOUIRED (F-0.73) 5. OPAQUE DOORS: NON-SWINGING: R4.75 (SWINGING U-0.61)
- 6. ENVELOPE FENESTRATION SHALL COMPLY MAXIMUM U-FACTOR AND SHGC
- REQUIREMENTS FROM TABLE C402.4 6.1. FIXED FENESTRATION: U -FACTOR 0.50
- 6.2. **OPERABLE FENESTRATION: U -FACTOR 0.65** ENTRANCE DOORS: U-FACTOR 1.10 6.3.
- SHGC REQUIREMENTS:

6.4

- 6.4.1. PF (PROJECTION FACTOR) ,< 0.20 : ORIENTATION SEW 0.25, N 0.33 6.4.2. 0.20 < PF < 0.50 : ORIENTATION SEW 0.30, N 0.37 6.4.3. PF > 0.50 : ORIENTATION SEW 0.40, N 0.40
- 7. AIR LEAKAGE- THERMAL ENVELOPE SHALL COMPLY WITH C402.5 FROM IECC AND SHALL BE TESTED WITH ASTM E 779.
- 8. SEAL ALL CRACKS, GAPS, JOINTS, ELECTRICAL BOXES AND ANY OTHER PLACES THAT ALLOW POTENTIAL AIR LEAKAGE PRIOR TO INSTALLATION OF GYPSUM BOARD AND
- OTHER FINISHES AS RECOMMENDED BY INSULATION MANUFACTURER'S WRITTEN RECOMMENDATIONS
- 9. INSTALL WEATHERSTRIP & INSULATION AT ALL CRAWL SPACE AND ATTIC HATCHES PER 2019 IBC
- 10. THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ICC-EVALUATION REPORT (ESR-1826) MUST BE STRINGENTLY ADHERED TO AND A COPY OF INSTRUCTIONS AND EVALUATION REPORT MUST BE AVAILABLE ON THE JOBSITE AT ALL TIMES DURING INSTALLATION.

#### 7B. SEALANTS - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION ALL EXT. CAULKING AT SIDING/TRIM TO BE TIGHTBOND - WEATHERMASTER

- SEALANT, SINGLE-COMPONENT, COLOR: MATCH ADJACENT SURFACES.
- PROVIDE CAULKING AT FOLLOWING LOCATIONS: (NOTE THIS SCHEDULE IS NOT COMPLETE)
- CONTROL JOINTS IN ANY MASONRY & CONCRETE SURFACES, BOTH INT. & EXT. PERIMETER OF DOOR AND WINDOW FRAMES, INT. & EXT.
- PERIMETER OF LOUVERS & GRILLES, INT. & EXT. AS REQUIRED BY IBC 2019

#### JOINTS IN EXTERIOR SIDING AND TRIM PROVIDE CAULKING AT OTHER AREAS AS REQUIRED BY IBC 2019

- CAULKING VOC LEVELS MUST MEET THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168 7C. WATERPROOFING - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION
  - PROVIDE AND INSTALL 15 MIL VAPOR BARRIER UNDER SLAB PER STRUCTURAL. PROVIDE AND INSTALL ALL OTHER PRODUCTS AS REQUIRED.
  - INSTALL PER ALL MANUFACTURER'S WRITTEN RECOMMENDATIONS.
  - . REFER TO TYPICAL ARCHITECTURAL DETAILS AND STRUCTURAL DOCUMENTS. 5. PROVIDE AND INSTALL WINDOW FLASHING SUCH AS TYVEK FLEX WRAP ON ALL
  - SIDES OF ALL WINDOWS. 6. PROVIDE AND INSTALL JIFFY SEAL, OR SIMILAR PER DETAILS.

#### 7D. BUILDING WRAP - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION PROVIDE AND INSTALL REX WRAP OR EQUAL OVER EXTERIOR

- SHEATHING AS RECOMMENDED BY MANUFACTURER'S WRITTEN INSTRUCTIONS. TAPE ALL SEAMS. TYPICAL.
- 7F-7H. SIDING & EXTERIOR TRIM & SOFFIT BOARD CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION. CONTRACTOR TO COORDINATE. INSTALL PER ALL MANUFACTURER'S WRITTEN INSTRUCTIONS/ RECOMMENDATIONS. ALLURA FIBER CEMENT SIDING PRODUCTS
- PRE-PRIMED, FACTORY FINISHED, STANDARD COLORS, TO BE SELECTED BY OWNER. 7I. SOFFIT BOARD AND VENT - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION.
- CONTRACTOR TO COORDINATE. INSTALL PER ALL MANUFACTURER'S WRITTEN INSTRUCTIONS/ RECOMMENDATIONS. ALLURA FIBER CEMENT SOFFIT WITH WUI RATED VULCAN VENT PRE-PRIMED, FACTORY FINISHED, STANDARD COLORS, TO BE SELECTED BY OWNER.
- PEST MANAGEMENT CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION ALL WALLS, FLOORS, AND JOINT PENETRATIONS SHALL BE SEALED WITH LOW-VOC CAULKING OR OTHER APPROPRIATE NON-TOXIC
- ENTRY. A RODENT AND CORROSIVE PROOF SCREEN SHALL BE USED FOR ALL OPENINGS GREATER THAN 1/4 INCH. SEALING METHOD TOPREVENT PEST

#### DOORS, WINDOWS & HARDWARE

- EXTERIOR DOORS CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION. CONTRACTOR TO COORDINATE, INSTALL PER ALL MANUFACTURER'S WRITTEN INSTRUCTIONS/ RECOMMENDATIONS, HOLLOW METAL DOOR FRAMES AND DOORS GLASS OPENINGS PER SCHEDULES.
- PROVIDE HARDWARE PER SCHEDULES
- INTERIOR DOORS CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION. CONTRACTOR TO COORDINATE. INSTALL PER ALL MANUFACTURER'S WRITTEN INSTRUCTIONS/ RECOMMENDATIONS. CLASSIC TIMELY FRAMES IN BROWNTONE OREGON DOORS
  - FLAT PANEL, ROTARY CUT BIRCH PROVIDE HARDWARE PER SCHEDULES
- WINDOWS/GLAZING CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION
- . EXTERIOR WINDOWS: PLYGEM OR EQUAL, WUI RATED, VALUES PER DIVISION 7 INTERIOR SIDELIGHT WINDOWS: PLYGEM OR EQUAL

#### **DIVISION 9. FINISHES**

9A-B. PAINT AND STAIN/SEALER FINISH - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION. SEE SCHEDULE FOR LOCATIONS AND ADDITIONAL INFORMATION

- PAINT 1.1. ONE COAT PRIMER, TWO COATS OF FINISH COLOR
- 1.2. COLOR/FINISH AS NOTED IN FINISH SCHEDULE OR AS DETERMINED BY OWNER/ARCHITECT 1.3. ALL PAINTING TO INCLUDE ALL MATERIALS AND LABOR NECESSARY TO ENSURE PROPER APPLICATION, INCLUDING: PREPARATION, MASKING, AND CLEAN UP. ALL SURFACES AT BATHROOMS, UTILITY ROOMS, KITCHENS SHALL CREATE DURABLE, CLEANABLE SURFACES
- 1.4. INSTALL AND COORDINATE WITH PAINT MANUFACTURER REQUIREMENTS. 1.5. INTERIOR DRYWALL: 'SHERWIN WILLIAMS', PROMAR 200, LOW-VOC PAINT & PRIMER OR EQUAL.
- 1.6. EXTERIOR: 'SHERWIN WILLIAMS', DURATION OR EQUAL 1.7. STEEL: 'SHERWIN WILLIAMS' ALL SURFACE ENAMEL OIL BASE OR EQUAL
- 1.8. DOORS, SHELVES & TRIM: FACTORY FINISHED PER MFR. WHERE PAINTED PREP, CAULK, PRIME AND APPLY TWO (2) COATS SEMI-GLOSS FINISH. 'SHERWIN WILLIAMS', PROMAR 200, LOW-VOC PAINT & PRIMER OR EQUAL. COLOR: PER FIN. SCHEDULE STAIN/SEALER
- 2.1. ALL STAINING/SEALING TO INCLUDE ALL MATERIALS AND LABOR NECESSARY TO ENSURE PROPER APPLICATION, INCLUDING: PREPARATION, MASKING, AND CLEAN UP.
- 2.2. PREP AND PRIME AS RECOMMENDED BY MANUFACTURER 2.3. CLEAR SEALER PER FINISH SCHEDULES OR AS DETERMINED BY OWNER/ARCHITECT 2.4 INTERIOR SHERWIN WILLIAMS INTERIOR SATIN CLEAR VARNISH OR FOUAL
- 2.5. EXTERIOR: SHERWIN WILLIAMS EXTERIOR SATIN CLEAR VARNISH. OR EQUAL
- 9C-D. GYPSUM WALL BOARD CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION GYPSUM BOARD: APPLY GYPSUM BOARD PER WALL/CEILING TYPES. APPLY NON-SAG TYPE AT INTERIOR CEILINGS. APPLY GOLD BOND XP GYPSUM BOARD MOISTURE RESISTANT (MR) OR WATER
  - RESISTANT PURPLE GYP. BD. IN ALL WET ROOMS, AND BEHIND ALL SINKS & DISHWASHERS & WATER HEATERS. FINISH TEXTURE, TO BE LIGHT ORANGE PEEL ON WALLS AND HAND TEXTURE ON CEILINGS THROUGHOUT, TYPICAL. INSTALL PLASTER TRIM ACCESSORIES AND JOINT SEALANT PER MANUFACTURER RECOMMENDATIONS.
- THE INSTALLATION OF VAPOR BARRIER DIRECTLY BEHIND MOISTURE RESISTANT GYPSUM BOARD IS PROHIBITED BY CODE, 2019 IBC

FLOORING - CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION

#### **DIVISION 10. SPECIALTIES**

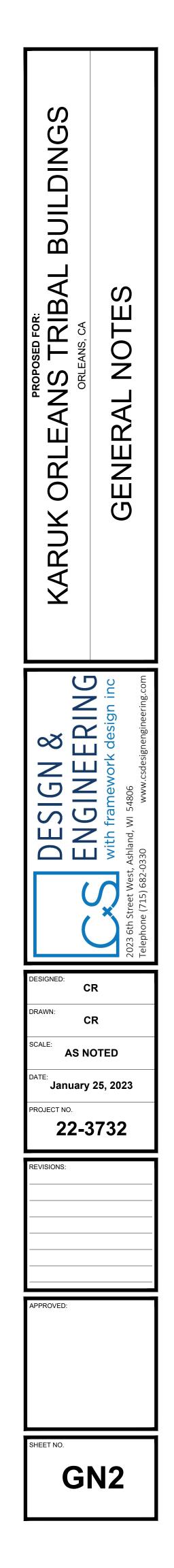
CONTRACTOR TO PROVIDE FULL SUBMITTALS FOR ALL ITEMS THIS SECTION. SEE GN3, GN4, GN5 AND A400 FOR MORE DETAILS AND INFORMATION DIVISION 12. FURNISHINGS (FOR REFERENCE ONLY. PROVIDED BY OWNER)

#### **DIVISION 13 - SPECIAL CONSTRUCTION**

DIVISION 14-CONVEYING SYSTEMS: N/A

DIVISION 15/16. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS

- 1. SEE E SHEETS FOR GENERAL LIGHTING, SWITCHING AND POWER PLANS
- 2. SEE GN5 FOR ADA INSTALLATIONS LOCATIONS 3. TIE INTO EXISTING SYSTEM



VISIBLE ALARMS MUST BE LOCATED WITHIN THE SPACE THEY SERVE SO THAT THE SIGNAL IS VISIBLE. FACILITY ALARM SYSTEMS (OTHER THAN FIRE ALARM SYSTEMS) SUCH AS THOSE USED FOR TORNADO WARNINGS AND OTHER EMERGENCIES ARE NOT REQUIRED TO COMPLY WITH THE TECHNICAL CRITERIA FOR ALARMS IN SECTION 702. EVERY EFFORT SHOULD BE MADE TO ENSURE THAT SUCH ALARMS CAN BE DIFFERENTIATED IN THEIR SIGNAL FROM FIRE ALARMS SYSTEMS AND THAT PEOPLE WHO NEED TO BE NOTIFIED OF EMERGENCIES ARE ADEQUATELY SAFEGUARDED. CONSULT LOCAL FIRE DEPARTMENTS AND PREPARE EVACUATION PLANS TAKING INTO CONSIDERATION THE NEEDS OF EVERY BUILDING OCCUPANT, INCLUDING PEOPLE WITH DISABILITIES.

#### 206 ACCESSIBLE ROUTES

206.2.1-.4 AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE FROM ACCESSIBLE PARKING SPACES AND ACCESSIBLE PASSENGER LOADING ZONES: PUBLIC STREETS AND SIDEWALKS. PUBLIC TRANSPORTATION STOPS. ACCESSIBLE BUILDINGS AND FACILITIES AND SPACES TO THE ACCESSIBLE BUILDING OR ENTRANCE THEY SERVE. ONE ACCESSIBLE ROUTE SHALL CONNECT THE ACCESSIBLE SPACES AND ELEMENTS WITHIN THE BUILDING.

208.3.2 REQUIRED ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE TO THE RESIDENTIAL DWELLING UNIT ENTRANCE THEY SERVE.

228.2 WHERE MAIL BOXES ARE PROVIDED FOR EACH RESIDENTIAL DWELLING UNIT, MAIL BOXES COMPLYING WITH 309 SHALL BE PROVIDED FOR EACH ACCESSIBLE DWELLING UNIT.

#### 302 FLOOR OR GROUND SURFACES

302.1 GENERAL. FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT AND SHALL COMPLY WITH

302.2 CARPET. CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURE. PILE HEIGHT SHALL BE ½ " MAX. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH 303.

302.3 OPENINGS. OPENINGS IN FLOOR OR GROUND SURFACES SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN ½ " DIAMETER EXCEPT AS ALLOWED IN 407.4.3, 409.4.3, 410.4, 810.5.3 AND 810.10. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

#### **303 CHANGES IN LEVEL**

303.2 VERTICAL. CHANGES IN LEVEL OF ¼" HIGH MAX SHALL BE PERMITTED TO BE VERTICAL.

303.3 BEVELED. CHANGES IN LEVEL BETWEEN ¼ " HIGH MIN AND ½" HIGH MAX SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.

303.4 RAMPS. CHANGES IN LEVEL GREATER THAN ½ "HIGH SHALL BE RAMPED, AND SHALL COMPLY WITH 405 OR 406.

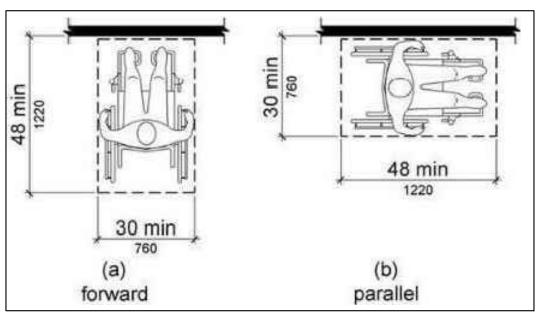
#### 304 TURNING SPACE

304.3.1 CIRCULAR SPACE. THE TURNING SPACE SHALL BE A SPACE OF 60 " DIAMETER MIN THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306.

304.3.2 T-SHAPED SPACE. THE TURNING SPACE SHALL BE A T-SHAPED SPACE WITHIN A 60 " SQUARE MIN WITH ARMS AND BASE 36 " WIDE MIN EACH ARM OF THE T SHALL BE CLEAR OF OBSTRUCTIONS 12 " MIN IN EACH DIRECTION AND THE BASE SHALL BE CLEAR OF OBSTRUCTIONS 24" MIN. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306 ONLY AT THE END OF EITHER THE BASE OR ONE ARM.

304.4 DOOR SWING. DOORS SHALL BE PERMITTED TO SWING INTO TURNING SPACES.

#### FIGURE 305.5 CLEAR FLOOR SPACE

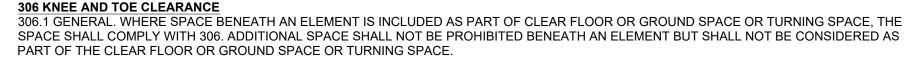


305 CLEAR FLOOR OR GROUND SPACE 305.5 POSITION. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND SPACE SHALL BE POSITIONED FOR EITHER FORWARD OR PARALLEL APPROACH TO AN ELEMENT.

305.6 APPROACH. ONE FULL UNOBSTRUCTED SIDE OF THE CLEAR FLOOR OR GROUND SPACE SHALL ADJOIN AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER CLEAR FLOOR OR GROUND SPACE.

305.7 MANEUVERING CLEARANCE. 305.7.1 FORWARD APPROACH. ALCOVES SHALL BE 36 " WIDE MIN WHERE THE DEPTH EXCEEDS 24 ".

305.7.2 PARALLEL APPROACH. ALCOVES SHALL BE 60 " WIDE MIN WHERE THE DEPTH EXCEEDS 15 ".



#### 306.2 TOE CLEARANCE.

ELEMENT.

306.2.1 GENERAL. SPACE UNDER AN ELEMENT BETWEEN THE FINISH FLOOR OR GROUND AND 9 ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED TOE CLEARANCE AND SHALL COMPLY WITH 306.2.

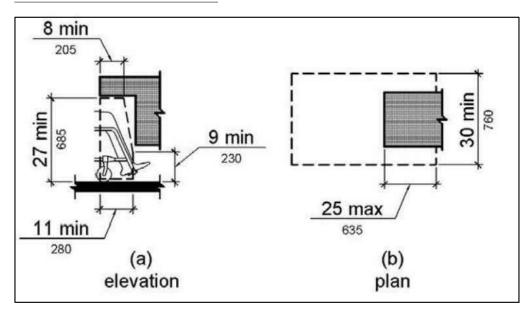
306.2.2 MAX DEPTH. TOE CLEARANCE SHALL EXTEND 25 " MAX UNDER AN

306.2.3 MIN REQUIRED DEPTH. WHERE TOE CLEARANCE IS REQUIRED AT AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE TOE CLEARANCE SHALL EXTEND 17" MIN UNDER THE ELEMENT.

306.2.4 ADDITIONAL CLEARANCE. SPACE EXTENDING GREATER THAN 6 " BEYOND THE AVAILABLE KNEE CLEARANCE AT 9 " ABOVE THE FINISH FLOOR OR GROUND SHALL NOT BE CONSIDERED TOE CLEARANCE.

306.2.5 WIDTH. TOE CLEARANCE SHALL BE 30 " WIDE MIN

#### FIGURE 306.3 KNEE CLEARANCE



#### 306.3 KNEE CLEARANCE.

306.3.1 GENERAL. SPACE UNDER AN ELEMENT BETWEEN 9 " AND 27" ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE AND SHALL COMPLY WITH 306.3.

306.3.2 MAX DEPTH. KNEE CLEARANCE SHALL EXTEND 25 " MAX UNDER AN ELEMENT AT 9 " ABOVE THE FINISH FLOOR OR GROUND.

306.3.3 MIN REQUIRED DEPTH. WHERE KNEE CLEARANCE IS REQUIRED UNDER AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE KNEE CLEARANCE SHALL BE 11 " DEEP MIN AT 9" ABOVE THE FINISH FLOOR OR GROUND, AND 8 " DEEP MIN AT 27" ABOVE THE FINISH FLOOR OR GROUND. 306.3.4 CLEARANCE REDUCTION. BETWEEN 9 " AND 27" ABOVE THE FINISH FLOOR OR GROUND, THE KNEE CLEARANCE SHALL BE PERMITTED TO REDUCE AT A RATE OF 1 " IN DEPTH FOR EACH 6" IN HEIGHT.

306.3.5 WIDTH. KNEE CLEARANCE SHALL BE 30 " WIDE MIN

#### 307 PROTRUDING OBJECTS

307.2 PROTRUSION LIMITS. OBJECTS WITH LEADING EDGES MORE THAN 27 " AND NOT MORE THAN 80"ABOVE THE FINISH FLOOR OR GROUND SHALL PROTRUDE 4 " MAX HORIZONTALLY INTO THE CIRCULATION PATH.

307.3 POST-MOUNTED OBJECTS. FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLONS SHALL OVERHANG CIRCULATION PATHS 12 " MAX WHEN LOCATED 27" MIN AND 80" MAX ABOVE THE FINISH FLOOR OR GROUND. WHERE A SIGN OR OTHER OBSTRUCTION IS MOUNTED BETWEEN POSTS OR PYLONS AND THE CLEAR DISTANCE BETWEEN THE POSTS OR PYLONS IS GREATER THAN 12 " THE LOWEST EDGE OF SUCH SIGN OR OBSTRUCTION SHALL BE 27 " MAX OR 80" MIN ABOVE THE FINISH FLOOR OR GROUND.

307.4 VERTICAL CLEARANCE. VERTICAL CLEARANCE SHALL BE 80 " HIGH MIN. GUARDRAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE THE VERTICAL CLEARANCE IS LESS THAN 80" HIGH. THE LEADING EDGE OF SUCH GUARDRAIL OR BARRIER SHALL BE LOCATED 27 " MAX ABOVE THE FINISH FLOOR OR GROUND.

307.5 REQUIRED CLEAR WIDTH. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH REQUIRED FOR ACCESSIBLE

#### 308 REACH RANGES

308.2.1 UNOBSTRUCTED. WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48 "MAX AND THE LOW FORWARD REACH SHALL BE 15 " MIN ABOVE THE FINISH FLOOR OR GROUND.

EDGE ON EACH SIDE WITH A SLOPE NOT STEEPER THAN 1:2 SHALL NOT BE REQUIRED TO COMPLY WITH 404.2.5. 404.2.6 DOORS IN SERIES AND GATES IN SERIES. THE DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES AND GATES IN SERIES SHALL BE 48" MIN PLUS THE WIDTH OF DOORS OR GATES SWINGING INTO THE SPACE.

AND THE ELEMENT WHERE THE DEPTH OF THE OBSTRUCTION IS 10 " (255 MM) MAX. 308.3.2 OBSTRUCTED HIGH REACH. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34 " MAX AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24" MAX. THE HIGH SIDE REACH SHALL BE 48" MAX FOR A REACH DEPTH OF 10" MAX. WHERE THE REACH DEPTH EXCEEDS 10" THE HIGH SIDE **REACH SHALL BE** 46" MAX FOR A REACH DEPTH OF 24" MAX.

ADVISORY 402.2 COMPONENTS, WALKING SURFACES MUST HAVING RUNNING SLOPES NOT STEEPER THAN 1:20, SEE 403.3, OTHER COMPONENTS OF ACCESSIBLE ROUTES, SUCH AS RAMPS (405) AND CURB RAMPS (406), ARE PERMITTED TO BE MORE STEEPLY SLOPED.

403 WALKING SURFACES 403.3 SLOPE. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20. THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48.

403.5.1 CLEAR WIDTH. EXCEPT AS PROVIDED IN 403.5.2 AND 403.5.3, THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 36 " MIN EXCEPTION: THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32 "MIN FOR A LENGTH OF 24" MAX PROVIDED THAT REDUCED WIDTH SEGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 48 " LONG MIN AND 36" WIDE MIN

403.5.3 PASSING SPACES. AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN 60 " SHALL PROVIDE PASSING SPACES AT INTERVALS OF 200' MAXIMUM. PASSING SPACES SHALL BE EITHER: A SPACE 60 " X 60" MINIMUM; OR, AN INTERSECTION OF TWO WALKING SURFACES PROVIDING A T-SHAPED SPACE COMPLYING WITH 304.3.2 WHERE THE BASE AND ARMS OF THE T-SHAPED SPACE EXTEND 48 INCHES (1220 MM) MINIMUM BEYOND THE INTERSECTION.

404.2.4 MANEUVERING CLEARANCES. MANEUVERING CLEARANCES SHALL EXTEND THE FULL WIDTH OF THE DOORWAY AND THE REQUIRED LATCH SIDE OR HINGE SIDE CLEARANCE.

404.2.4.3 RECESSED DOORS AND GATES. MANEUVERING CLEARANCES FOR FORWARD APPROACH SHALL BE PROVIDED WHEN ANY OBSTRUCTION WITHIN 18 " (455 MM) OF THE LATCH SIDE OF A DOORWAY PROJECTS MORE THAN 8 " (205 MM) BEYOND THE FACE OF THE DOOR, MEASURED PERPENDICULAR TO THE FACE OF THE DOOR OR GATE.

CASEWORK AND OTHER FIXED ELEMENTS ADJACENT TO THE DOORWAY. THIS PROVISION MUST BE APPLIED WHEREVER DOORS ARE RECESSED. 404.2.4.4 FLOOR OR GROUND SURFACE. FLOOR OR GROUND SURFACE WITHIN REQUIRED MANEUVERING CLEARANCES SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED. EXCEPTIONS: 1. SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

ROUTES.

308.2.2 OBSTRUCTED HIGH REACH. WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 48" MAX WHERE THE REACH DEPTH IS 20" MAX. WHERE THE REACH DEPTH EXCEEDS 20" THE HIGH FORWARD REACH SHALL BE 44" MAX AND THE REACH DEPTH SHALL BE 25 " MAX.

#### 308.3 SIDE REACH

308.3.1 UNOBSTRUCTED. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACH IS UNOBSTRUCTED, THE HIGH SIDE REACH SHALL BE 48 " MAX AND THE LOW SIDE REACH SHALL BE 15 " MIN ABOVE THE FINISH FLOOR OR GROUND.

EXCEPTIONS: 1. AN OBSTRUCTION SHALL BE PERMITTED BETWEEN THE CLEAR FLOOR OR GROUND SPACE

#### **309 OPERABLE PARTS**

309.2 CLEAR FLOOR SPACE. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 SHALL BE PROVIDED.

309.3 HEIGHT. OPERABLE PARTS SHALL BE PLACED WITHIN ONE OR MORE OF THE REACH RANGES SPECIFIED IN 308.

309.4 OPERATION. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAX.

#### **402 ACCESSIBLE ROUTES**

402.2 COMPONENTS. ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A RUNNING SLOPE NOT STEEPER THAN 1:20, DOORWAYS, RAMPS, CURB RAMPS EXCLUDING THE FLARED SIDES, ELEVATORS, AND PLATFORM LIFTS. ALL COMPONENTS OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF CHAPTER 4.

403.5.2 CLEAR WIDTH AT TURN. WHERE THE ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN ELEMENT WHICH IS LESS THAN 48 " WIDE, CLEAR WIDTH SHALL BE 42" MIN APPROACHING THE TURN, 48" MIN AT THE TURN AND 42 " MIN LEAVING THE TURN. EXCEPTION: WHERE THE CLEAR WIDTH AT THE TURN IS 60 " MIN COMPLIANCE WITH 403.5.2 SHALL NOT BE REQUIRED.

#### 404 DOORS, DOORWAYS, AND GATES

404.2.2 DOUBLE-LEAF DOORS AND GATES. AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO LEAVES SHALL COMPLY WITH 404.2.3 AND 404.2.4

404.2.3 CLEAR WIDTH. DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 " MIN CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 "DEEP SHALL PROVIDE A CLEAR OPENING OF 36 " MIN THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 " AND 80" ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 ".

 TABLE 404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

TYPE OF USE		MIN. MANEUVERING CLEARANCE	
APPROACH DIRECTION	DOOR OR GATE SIDE	PERPENDICULAR TO DOORWAY	PARALLEL TO DOORWAY (BEYOND LATCH SIDE, U.N.O.)
FROM FRONT	PULL	60"	18"
FROM FRONT	PUSH	48"	<b>0"</b> <sup>1</sup>
FROM HINGE SIDE	PULL	60"	36"
FROM HINGE SIDE	PULL	54"	42"
FROM HINGE SIDE	PUSH	<b>42"</b> <sup>2</sup>	22" <sup>3</sup>
FROM LATCH SIDE	PULL	48" <sup>4</sup>	24"
FROM LATCH SIDE	PUSH	42" <sup>4</sup>	24"

ADD 12" IF CLOSER AND LATCH ARE PROVIDED. ADD 6" IF CLOSER AND LATCH ARE ROVIDED.

BEYOND HINGE SIDE. ADD 6" IF CLOSER IS PROVIDED.

404.2.4.2 DOORWAYS WITHOUT DOORS OR GATES, SLIDING DOORS, AND FOLDING DOORS. DOORWAYS LESS THAN 36 "WIDE WITHOUT DOORS OR

GATES, SLIDING DOORS, OR FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.2. TABLE 404.2.4.2 MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS OR GATES, MANUAL SLIDING DOORS AND MANUAL FOLDING DOORS

MIN. MANEUVERING CLEARANCE	
PERPENDICULAR TO DOORWAY	PARALLEL TO DOORWAY (BEYOND LATCH SIDE, U.N.O.)
48"	0"
42"	0"
42"	<b>22"</b> <sup>2</sup>
42"	24"
-	PERPENDICULAR TO DOORWAY 48" 42" 42"

#### DOORWAY WITH NO DOOR ONLY. BEYOND POCKET/HINGE SIDE

ADVISORY 404.2.4.3 RECESSED DOORS AND GATES. A DOOR CAN BE RECESSED DUE TO WALL THICKNESS OR BECAUSE OF THE PLACEMENT OF

CHANGES IN LEVEL AT THRESHOLDS COMPLYING WITH 404.2.5 SHALL BE PERMITTED.

404.2.5 THRESHOLDS. THRESHOLDS, IF PROVIDED AT DOORWAYS, SHALL BE ½ "HIGH MAX. EXCEPTION: EXISTING OR ALTERED THRESHOLDS ¾ " HIGH MAX THAT HAVE A BEVELED

404.2.7 DOOR AND GATE HARDWARE. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH 309.4. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 " MIN AND 48" MAX ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. EXCEPTIONS: 1. EXISTING LOCKS SHALL BE PERMITTED IN ANY LOCATION AT EXISTING GLAZED DOORS WITHOUT STILES, EXISTING OVERHEAD ROLLING DOORS OR GRILLES, AND SIMILAR EXISTING DOORS OR GRILLES THAT ARE DESIGNED WITH LOCKS THAT ARE ACTIVATED ONLY AT THE

TOP OR BOTTOM RAIL. ACCESS GATES IN BARRIER WALLS AND FENCES PROTECTING POOLS, SPAS, AND HOT TUBS SHALL BE PERMITTED TO HAVE OPERABLE PARTS OF THE RELEASE OF LATCH ON SELF-LATCHING DEVICES AT 54 " MAX ABOVE THE FINISH FLOOR OR GROUND PROVIDED THE SELF-LATCHING DEVICES ARE NOT ALSO SELF-LOCKING DEVICES AND OPERATED BY MEANS OF A KEY, ELECTRONIC OPENER, OR INTEGRAL COMBINATION LOCK.

404.2.8 CLOSING SPEED.

404.2.8.1 DOOR CLOSERS AND GATE CLOSERS, DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MIN.

404.2.8.2 SPRING HINGES. DOOR AND GATE SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR OR GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MIN

404.2.9 DOOR AND GATE OPENING FORCE. FIRE DOORS SHALL HAVE A MIN OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE OTHER THAN FIRE DOORS SHALL BE AS FOLLOWS: INTERIOR HINGED DOORS AND GATES: 5 POUNDS MAX.

SLIDING OR FOLDING DOORS: 5 POUNDS MAX. 404.2.10 DOOR AND GATE SURFACES. SWINGING DOOR AND GATE SURFACES WITHIN 10 " OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16 "OF THE SAME PLANE AS THE OTHER. CAVITIES CREATED BY

ADDED KICK PLATES SHALL BE CAPPED. EXCEPTIONS: 1. SLIDING DOORS SHALL NOT BE REQUIRED TO COMPLY WITH 404.2.10.

TEMPERED GLASS DOORS WITHOUT STILES AND HAVING A BOTTOM RAIL OR SHOE WITH THE TOP LEADING EDGE TAPERED AT 60 DEGREES MIN FROM THE HORIZONTAL SHALL NOT BE REQUIRED TO MEET THE 10 "BOTTOM SMOOTH SURFACE HEIGHT REQUIREMENT. DOORS AND GATES THAT DO NOT EXTEND TO WITHIN 10 " OF THE FINISH FLOOR OR GROUND SHALL NOT BE REQUIRED TO COMPLY WITH

404.2.10.

4. EXISTING DOORS AND GATES WITHOUT SMOOTH SURFACES WITHIN 10 " OF THE FINISH FLOOR OR GROUND SHALL NOT BE REQUIRED TO PROVIDE SMOOTH SURFACES COMPLYING WITH 404.2.10 PROVIDED THAT IF ADDED KICK PLATES ARE

INSTALLED, CAVITIES CREATED BY SUCH KICK PLATES ARE CAPPED.

STEEPER THAN 1:10, BUT LESS T

STEEPER THAN 1:12, BUT LESS T

#### FLOOR.

SLOPE

SHALL BE 36" MIN

EACH SIDE OF RAMP LANDINGS.

EXCEPTIONS:

**504 STAIRWAYS** 

WATER

405 RAMPS

404.2.11 VISION LIGHTS. DOORS, GATES, AND SIDE LIGHTS ADJACENT TO DOORS OR GATES, CONTAINING ONE OR MORE GLAZING PANELS THAT PERMIT VIEWING THROUGH THE PANELS SHALL HAVE THE BOTTOM OF AT LEAST ONE GLAZED PANEL LOCATED 43 " MAX ABOVE THE FINISH

405.2 SLOPE. RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12.

EXCEPTION: IN EXISTING SITES, BUILDINGS, AND FACILITIES, RAMPS SHALL BE PERMITTED TO HAVE RUNNING SLOPES STEEPER THAN 1:12 COMPLYING WITH TABLE 405.2 WHERE SUCH SLOPES ARE NECESSARY DUE TO SPACE LIMITATIONS.

TABLE 405.2 MAX RAMP SLOPE AND RISE FOR EXISTING SITES, BUILDINGS, AND FACILITIES MAX RISE

THAN 1:8	3'
THAN 1:10	6'

405.3 CROSS SLOPE. CROSS SLOPE OF RAMP RUNS SHALL NOT BE STEEPER THAN 1:48.

405.4 FLOOR OR GROUND SURFACES. FLOOR OR GROUND SURFACES OF RAMP RUNS SHALL COMPLY WITH 302. CHANGES IN LEVEL OTHER THAN THE RUNNING SLOPE AND CROSS SLOPE ARE NOT PERMITTED ON RAMP RUNS.

405.5 CLEAR WIDTH. THE CLEAR WIDTH OF A RAMP RUN AND, WHERE HANDRAILS ARE PROVIDED, THE CLEAR WIDTH BETWEEN HANDRAILS

405.6 RISE. THE RISE FOR ANY RAMP RUN SHALL BE 30 " MAX.

405.7 LANDINGS. RAMPS SHALL HAVE LANDINGS AT THE TOP AND THE BOTTOM OF EACH RAMP RUN.

405.7.1 SLOPE. LANDINGS SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED. EXCEPTION: SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

405.7.2 WIDTH. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING

405.7.3 LENGTH. THE LANDING CLEAR LENGTH SHALL BE 60 " LONG MIN

405.7.4 CHANGE IN DIRECTION. RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDINGS SHALL HAVE A CLEAR LANDING 60 "X60" MIN 405.8 HANDRAILS. RAMP RUNS WITH A RISE GREATER THAN 6 " SHALL HAVE HANDRAILS COMPLYING WITH 505.

405.9 EDGE PROTECTION. EDGE PROTECTION COMPLYING WITH 405.9.1 OR 405.9.2 SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND AT

EDGE PROTECTION SHALL NOT BE REQUIRED ON RAMPS THAT ARE NOT REQUIRED TO HAVE HANDRAILS AND HAVE SIDES COMPLYING WITH 406.3. EDGE PROTECTION SHALL NOT BE REQUIRED ON THE SIDES OF RAMP LANDINGS SERVING AN ADJOINING RAMP RUN OR STAIRWAY EDGE PROTECTION SHALL NOT BE REQUIRED ON THE SIDES OF RAMP LANDINGS HAVING A VERTICAL DROP-OFF OF 1/2" MAX WITHIN 10" HORIZONTALLY OF THE MIN LANDING AREA SPECIFIED IN 405.7.

405.9.1 EXTENDED FLOOR OR GROUND SURFACE. THE FLOOR OR GROUND SURFACE OF THE RAMP RUN OR LANDING SHALL EXTEND 12 " MIN BEYOND THE INSIDE FACE OF A HANDRAIL COMPLYING WITH 505.

405.9.2 CURB OR BARRIER, A CURB OR BARRIER SHALL BE PROVIDED THAT PREVENTS THE PASSAGE OF A 4 " DIAMETER SPHERE, WHERE ANY PORTION OF THE SPHERE IS WITHIN 4 " OF THE FINISH FLOOR OR GROUND SURFACE.

405.10 WET CONDITIONS. LANDINGS SUBJECT TO WET CONDITIONS SHALL BE DESIGNED TO PREVENT THE ACCUMULATION OF WATER.

504.2 TREADS AND RISERS. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTHS. RISERS SHALL BE 4" HIGH MIN AND 7" HIGH MAX. TREADS SHALL BE 11" DEEP MIN

504.3 OPEN RISERS. OPEN RISERS ARE NOT PERMITTED.

504.4 TREAD SURFACE. STAIR TREADS SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED. TREADS SHALL BE PERMITTED TO HAVE A SLOPE NOT STEEPER THAN 1:48.

504.5 NOSINGS. THE RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL BE ½ " MAX. 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 ANGLE OF 30 DEGREES MAX FROM VERTICAL. THE PERMITTED PROJECTION OF THE NOSING SHALL EXTEND 11/2 " MAX OVER THE TREAD BELOW. 504.6 HANDRAILS. STAIRS SHALL HAVE HANDRAILS COMPLYING WITH 505.

504.7 WET CONDITIONS. STAIR TREADS AND LANDINGS SUBJECT TO WET CONDITIONS SHALL BE DESIGNED TO PREVENT THE ACCUMULATION OF



# 2010 ADA STANDARDS FOR DESIGN - CONTINUED

#### **505 HANDRAILS**

505.2 WHERE REQUIRED. HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS AND RAMPS WITH A RISE GREATER THAN 6".

505.3 CONTINUITY. HANDRAILS SHALL BE CONTINUOUS WITHIN THE FULL LENGTH OF EACH STAIR FLIGHT OR RAMP RUN. INSIDE HANDRAILS ON SWITCHBACK OR DOGLEG STAIRS AND RAMPS SHALL BE CONTINUOUS BETWEEN FLIGHTS OR RUNS.

505.4 HEIGHT. TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE 34 " MIN AND 38" MAX VERTICALLY ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES.

505.5 CLEARANCE. CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACES AND ADJACENT SURFACES SHALL BE 11/2" MIN

505.6 GRIPPING SURFACE. HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOPS OR SIDES. THE BOTTOMS OF HANDRAIL GRIPPING SURFACES SHALL NOT BE OBSTRUCTED FOR MORE THAN 20 PERCENT OF THEIR LENGTH. WHERE PROVIDED, HORIZONTAL PROJECTIONS SHALL OCCUR 11/2" MIN BELOW THE BOTTOM OF THE HANDRAIL GRIPPING SURFACE.

#### EXCEPTIONS:

1. WHERE HANDRAILS ARE PROVIDED ALONG WALKING SURFACES WITH SLOPES NOT STEEPER THAN 1:20, THE BOTTOMS OF HANDRAIL GRIPPING SURFACES SHALL BE PERMITTED TO BE OBSTRUCTED ALONG THEIR ENTIRE LENGTH WHERE THEY ARE INTEGRAL TO CRASH RAILS OR BUMPER GUARDS. THE DISTANCE BETWEEN HORIZONTAL PROJECTIONS AND THE BOTTOM OF THE GRIPPING SURFACE SHALL BE PERMITTED TO BE REDUCED BY 1/8 " FOR EACH ½" OF ADDITIONAL HANDRAIL PERIMETER DIMENSION THAT EXCEEDS 4 ".

505.7.1 CIRCULAR CROSS SECTION. HANDRAIL GRIPPING SURFACES WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 11/4 " MIN AND 2" MAX.

505.7.2 NON-CIRCULAR CROSS SECTIONS. HANDRAIL GRIPPING SURFACES WITH A NON-CIRCULAR CROSS SECTION SHALL HAVE A PERIMETER DIMENSION OF 4 " MIN AND 6¼ " MAX, AND A CROSS-SECTION DIMENSION OF 2<sup>1</sup>/<sub>4</sub>" MAX.

505.8 SURFACES. HANDRAIL GRIPPING SURFACES AND ANY SURFACES ADJACENT TO THEM SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES.

505.9 FITTINGS. HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

505.10 HANDRAIL EXTENSIONS. HANDRAIL GRIPPING SURFACES SHALL EXTEND BEYOND AND IN THE SAME DIRECTION OF STAIR FLIGHTS AND RAMP RUNS IN ACCORDANCE WITH 505.10. EXTENSIONS SHALL NOT BE REQUIRED FOR CONTINUOUS HANDRAILS AT THE INSIDE TURN OF

SWITCHBACK OR DOGLEG STAIRS AND RAMPS. IN ALTERATIONS, FULL EXTENSIONS OF HANDRAILS SHALL NOT BE REQUIRED WHERE SUCH EXTENSIONS WOULD BE HAZARDOUS DUE TO PLAN CONFIGURATION.

505.10.1 TOP AND BOTTOM EXTENSION AT RAMPS, RAMP HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12" MIN BEYOND THE TOP AND BOTTOM OF RAMP RUNS. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT RAMP RUN.

505.10.2 TOP EXTENSION AT STAIRS. AT THE TOP OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12 " MIN BEGINNING DIRECTLY ABOVE THE FIRST RISER NOSING. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.

505.10.3 BOTTOM EXTENSION AT STAIRS. AT THE BOTTOM OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND AT THE SLOPE OF THE STAIR FLIGHT FOR A HORIZONTAL DISTANCE AT LEAST EQUAL TO ONE TREAD DEPTH BEYOND THE LAST RISER NOSING. EXTENSION SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.

#### 603 TOILET AND BATHING ROOMS

603.2 CLEARANCES

603.2.1 TURNING SPACE. TURNING SPACE COMPLYING WITH 304 SHALL BE PROVIDED WITHIN THE ROOM 603.2.2 OVERLAP. REQUIRED CLEAR FLOOR SPACES, CLEARANCE AT FIXTURES, AND TURNING SPACE

SHALL BE PERMITTED TO OVERLAP.

603.2.3 DOOR SWING, DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS SHALL BE PERMITTED TO SWING INTO THE REQUIRED TURNING SPACE. EXCEPTIONS:

WHERE THE TOILET ROOM OR BATHING ROOM IS FOR INDIVIDUAL USE AND A CLEAR FLOOR SPACE COMPLYING WITH 305.3 IS PROVIDED WITHIN THE ROOM BEYOND THE ARC OF THE DOOR SWING, DOORS SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE.

603.3 MIRRORS, MIRRORS LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 " MAX ABOVE THE FINISH FLOOR OR GROUND. MIRRORS NOT LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35" MAX ABOVE THE FINISH FLOOR OR GROUND.

603.4 COAT HOOKS AND SHELVES. COAT HOOKS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 308. SHELVES SHALL BE LOCATED 40 " MIN AND 48" MAX ABOVE THE FINISH FLOOR.

604 WATER CLOSETS AND TOILET COMPARTMENTS

604.2 LOCATION. THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 16 " MIN TO 18" MAX FROM THE SIDEWALL OR PARTITION.

604.3 CLEARANCE. CLEARANCES AROUND WATER CLOSETS AND IN TOILET COMPARTMENTS SHALL COMPLY WITH 604.3.

604.3.1 SIZE. CLEARANCE AROUND A WATER CLOSET SHALL BE 60 " MIN MEASURED PERPENDICULAR FROM THE SIDEWALL AND 56" MIN MEASURED PERPENDICULAR FROM THE REAR WALL

604.3.2 OVERLAP. THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET, ASSOCIATED GRAB BARS, DISPENSERS, SANITARY NAPKIN DISPOSAL UNITS, COAT HOOKS, SHELVES, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE AND CLEARANCES REQUIRED AT OTHER FIXTURES, AND THE TURNING SPACE. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE LOCATED WITHIN THE REQUIRED WATER CLOSET CLEARANCE.

EXCEPTION: IN RESIDENTIAL DWELLING UNITS, A LAVATORY COMPLYING WITH 606 SHALL BE PERMITTED ON THE REAR WALL 18" MIN FROM THE WATER CLOSET CENTERLINE WHERE THE CLEARANCE AT THE WATER CLOSET IS 66" MIN MEASURED PERPENDICULAR FROM THE REAR WALL.

604.4 SEATS. THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 15 " MIN AND 19" MAX MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

604.5 GRAB BARS. GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH 609. GRAB BARS SHALL BE PROVIDED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET AND ON THE REAR WALL.

IN RESIDENTIAL DWELLING UNITS, GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN TOILET OR BATHROOMS PROVIDED THAT REINFORCEMENT HAS BEEN INSTALLED IN WALLS AND LOCATED SO AS TO PERMIT THE INSTALLATION OF GRAB BARS COMPLYING WITH 604.5.

604.5.1 SIDE WALL. THE SIDE WALL GRAB BAR SHALL BE 42 " LONG MIN, LOCATED 12" MAX FROM THE REAR WALL AND EXTENDING 54" MIN FROM THE REAR WALL.

604.5.2 REAR WALL. THE REAR WALL GRAB BAR SHALL BE 36 " LONG MIN AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 " MIN ON ONE SIDE AND 24" MIN ON THE OTHER SIDE.

EXCEPTIONS: 1. THE REAR GRAB BAR SHALL BE PERMITTED TO BE 24 " LONG MIN, CENTERED ON THE WATER CLOSET, WHERE WALL SPACE DOES NOT PERMIT A LENGTH OF 36 " MIN DUE TO THE LOCATION OF A RECESSED FIXTURE ADJACENT TO THE WATER CLOSET.

604.6 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH 309. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.

#### 606 LAVATORIES AND SINKS

APPROACH, AND KNEE AND TOE CLEARANCE COMPLYING WITH 306 SHALL BE PROVIDED. EXCEPTIONS

IN RESIDENTIAL DWELLING UNITS, CABINETRY SHALL BE PERMITTED UNDER LAVATORIES AND KITCHEN SINK PROVIDED THAT ALL OF THE FOLLOWING CONDITIONS ARE MET: THE CABINETRY CAN BE REMOVED WITHOUT REMOVAL OR REPLACEMENT OF THE FIXTURE; (a) THE FINISH FLOOR EXTENDS UNDER THE CABINETRY; AND THE WALLS BEHIND AND SURROUNDING THE CABINETRY ARE FINISHED.

THE DIP OF THE OVERFLOW SHALL NOT BE CONSIDERED IN DETERMINING KNEE AND TOE CLEARANCES. 7. NO MORE THAN ONE BOWL OF A MULTI-BOWL SINK SHALL BE REQUIRED TO PROVIDE KNEE AND TOE CLEARANCE COMPLYING WITH 306. 606.3 HEIGHT. LAVATORIES AND SINKS SHALL BE INSTALLED WITH THE FRONT OF THE HIGHER OF THE RIM

OR COUNTER SURFACE 34" MAX ABOVE THE FINISH FLOOR OR GROUND. EXCEPTIONS

 IN RESIDENTIAL DWELLING UNIT KITCHENS, SINKS THAT ARE ADJUSTABLE TO VARIABLE HEIGHTS. 29" MIN AND 36" MAX, SHALL BE PERMITTED WHERE ROUGH-IN PLUMBING PERMITS CONNECTIONS OF SUPPLY AND DRAIN PIPES FOR SINKS MOUNTED AT THE HEIGHT OF 29 ". 606.4 FAUCETS. CONTROLS FOR FAUCETS SHALL COMPLY WITH 309. HAND-OPERATED METERING FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MIN

606.5 EXPOSED PIPES AND SURFACES. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.

#### 609 GRAB BARS

609.2 CROSS SECTION. GRAB BARS SHALL HAVE A CROSS SECTION COMPLYING WITH 609.2.1 OR 609.2.2. 609.2.1 CIRCULAR CROSS SECTION. GRAB BARS WITH CIRCULAR CROSS SECTIONS SHALL HAVE AN

OUTSIDE DIAMETER OF 11/4" MIN AND 2" MAX.

609.2.2 NON-CIRCULAR CROSS SECTION. GRAB BARS WITH NON-CIRCULAR CROSS SECTIONS SHALL HAVE CROSS-SECTION DIMENSION OF 2" MAX AND A PERIMETER DIMENSION OF 4" MIN AND 4.8" MAX.

609.3 SPACING. THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 11/2 ". THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS SHALL BE 11/2 " MIN. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12 " MIN. EXCEPTION: THE SPACE BETWEEN THE GRAB BARS AND SHOWER CONTROLS, SHOWER FITTINGS, AND OTHER GRAB BARS ABOVE SHALL BE PERMITTED TO BE 11/2 " MIN.

609.4 POSITION OF GRAB BARS. GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33 " MIN AND 36" MAX ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE. THE HEIGHT OF THE LOWER GRAB BAR ON THE BACK WALL OF A BATHTUB SHALL COMPLY WITH 607.4.1.1 OR 607.4.2.1.

609.5 SURFACE HAZARDS. GRAB BARS AND ANY WALL OR OTHER SURFACES ADJACENT TO GRAB BARS SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES.

609.6 FITTINGS. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS. 609.7 INSTALLATION. GRAB BARS SHALL BE INSTALLED IN ANY MANNER THAT PROVIDES A GRIPPING SURFACE AT THE SPECIFIED LOCATIONS AND THAT DOES NOT OBSTRUCT THE REQUIRED CLEAR FLOOR SPACE.

609.8 STRUCTURAL STRENGTH. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS IS APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER, MOUNTING DEVICE, OR SUPPORTING STRUCTURE.

#### **CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES**

702 FIRE ALARM SYSTEMS

702.1 GENERAL. FIRE ALARM SYSTEMS SHALL HAVE PERMANENTLY INSTALLED AUDIBLE AND VISIBLE ALARMS COMPLYING WITH NFPA 72 (2016 EDITION) IN ADDITION, THE MAX ALLOWABLE SOUND LEVEL OF AUDIBLE NOTIFICATION APPLIANCES COMPLYING WITH SECTION 4-3.2.1 OF NFPA 72 (2016 EDITION) SHALL HAVE A SOUND LEVEL NO MORE THAN 110 DB AT THE MIN HEARING DISTANCE FROM THE AUDIBLE APPLIANCE. IN ADDITION, ALARMS IN GUEST ROOMS REQUIRED TO PROVIDE COMMUNICATION FEATURES SHALL COMPLY WITH SECTIONS 4-3 AND 4-4 OF NFPA 72 (2016 EDITION) OR SECTIONS 7.4 AND 7.5 OF NFPA 72 (2016 EDITION).

#### 703 SIGNS

703.1 GENERAL, SIGNS SHALL COMPLY WITH 703. WHERE BOTH VISUAL AND TACTILE CHARACTERS ARE REQUIRED EITHER ONE SIGN WITH BOTH VISUAL AND TACTILE, OR TWO SEPARATE SIGNS, ONE WITH VISUAL, AND ONE WITH TACTILE CHARACTERS SHALL BE PROVIDED.

703.2 RAISED CHARACTERS.SHALL COMPLY WITH 703.2 SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH 703.3. AND SHALL BE INSTALLED IN ACCORDANCE WITH 703.4

ADVISORY 703.2 RAISED CHARACTERS. SIGNS THAT ARE DESIGNED TO BE READ BY TOUCH SHOULD NOT HAVE SHARP OR ABRASIVE EDGES.

703.2.1 DEPTH. RAISED CHARACTERS SHALL BE 1/32 INCH (0.8 MM) MINIMUM ABOVE THEIR BACKGROUND. 703.2.2 CASE. CHARACTERS SHALL BE UPPERCASE.

703.2.3 STYLE. CHARACTERS SHALL BE SANS SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS. 703.2.4 CHARACTER PROPORTIONS. CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I".

703.2.5 CHARACTER HEIGHT. CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8 INCH (16 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I".

703.2.6 STROKE THICKNESS. STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.

703.2.7 CHARACTER SPACING. CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8 INCH (3.2 MM) MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16 INCH (1.6 MM) MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE BASE OF THE CROSS SECTIONS, AND 1/8 NCH (3.2 MM) MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8 INCH (9.5 MM) MINIMUM.

703.2.8 LINE SPACING. SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE RAISED CHARACTER HEIGHT.

703.3 BRAILLE. BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH 703.3 AND 703.4.

703.4 INSTALLATION HEIGHT AND LOCATION. SIGNS WITH TACTILE CHARACTERS SHALL COMPLY WITH 703.4.

703.4.1 HEIGHT ABOVE FINISH FLOOR OR GROUND. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES (1220 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES (1525 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER. EXCEPTION: TACTILE CHARACTERS FOR ELEVATOR CAR CONTROLS SHALL NOT BE REQUIRED TO COMPLY WITH 703.4.1.

# 606.2 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE COMPLYING WITH 305, POSITIONED FOR A FORWARD

1. A PARALLEL APPROACH COMPLYING WITH 305 SHALL BE PERMITTED TO A KITCHEN SINK IN A SPACE WHERE A COOK TOP OR CONVENTIONAL RANGE IS NOT PROVIDED AND TO WET

703.4.2 LOCATION. WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES (455 MM) MINIMUM BY 18 INCHES (455 MM) MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION

EXCEPTION: SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.

703.5 VISUAL CHARACTERS. SHALL COMPLY WITH 703.5

703.6 PICTOGRAMS. SHALL COMPLY WITH 703.6

703.7 SYMBOLS OF ACCESSIBILITY. SHALL COMPLY WITH 703.7. FINISH AND CONTRAST AND SYMBOLS. 705 DETECTABLE WARNINGS

#### 705.1 GENERAL. DETECTABLE WARNINGS SHALL CONSIST OF A SURFACE OF TRUNCATED DOMES AND SHALL COMPLY WITH

705.1.1 DOME SIZE. TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A BASE DIAMETER OF 0.9" MIN AND 1.4" MAX, A TOP DIAMETER OF 50 PERCENT OF THE BASE DIAMETER MIN TO 65 PERCENT OF THE BASE DIAMETER MAX, AND A HEIGHT OF 0.2 ".

705.1.2 DOME SPACING. TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A CENTER-TO- CENTER SPACING OF 1.6 " MIN AND 2.4" MAX. AND A BASE-TO- BASE SPACING OF 0.65 " MIN. MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.

705.1.3 CONTRAST. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.

705.2 PLATFORM EDGES. DETECTABLE WARNING SURFACES AT PLATFORM BOARDING EDGES SHALL BE 24" WIDE AND SHALL EXTEND THE FULL LENGTH OF THE PUBLIC USE AREAS OF THE PLATFORM.

#### 706 ASSISTIVE LISTENING SYSTEMS

706.2 RECEIVER JACKS. RECEIVERS REQUIRED FOR USE WITH AN ASSISTIVE LISTENING SYSTEM SHALL INCLUDE A 1/8" STANDARD MONO JACK.

706.3 RECEIVER HEARING-AID COMPATIBILITY. RECEIVERS REQUIRED TO BE HEARING-AID COMPATIBLE SHALL INTERFACE WITH TELECOILS IN HEARING AIDS THROUGH THE PROVISION OF NECKLOOPS.

706.4 SOUND PRESSURE LEVEL. ASSISTIVE LISTENING SYSTEMS SHALL BE CAPABLE OF PROVIDING A SOUND PRESSURE LEVEL OF 110 DB MIN AND 118 DB MAX WITH A DYNAMIC RANGE ON THE VOLUME CONTROL OF 50 DB.

706.5 SIGNAL-TO-NOISE RATIO. THE SIGNAL-TO-NOISE RATIO FOR INTERNALLY GENERATED NOISE IN ASSISTIVE LISTENING SYSTEMS SHALL BE 18 DB MIN

706.6 PEAK CLIPPING LEVEL. PEAK CLIPPING SHALL NOT EXCEED 18 DB OF CLIPPING RELATIVE TO THE PEAKS OF SPEECH.

#### 708 2-WAY COMMUNICATION SYSTEMS

708.1 GENERAL. TWO-WAY COMMUNICATION SYSTEMS SHALL COMPLY WITH 708.

708.2 AUDIBLE AND VISUAL INDICATORS. THE SYSTEM SHALL PROVIDE BOTH AUDIBLE AND VISUAL SIGNALS.

708.3 HANDSETS. HANDSET CORDS, IF PROVIDED, SHALL BE 29 " (735 MM) LONG MIN

CHAPTER 8: SPECIAL ROOMS, SPACES AND ELEMENTS

#### 802. WHEELCHAIR SPACES, COMPANION SEATS, AND DESIGNATED AISLE SEATS 802.1 WHEELCHAIR SPACES. WHEELCHAIR SPACES SHALL COMPLY WITH 802.1.

802.1.1 FLOOR OR GROUND SURFACE. THE FLOOR OR GROUND SURFACE OF WHEELCHAIR SPACES SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED. EXCEPTION: SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

802.2 LINES OF SIGHT. LINES OF SIGHT TO THE SCREEN, PERFORMANCE AREA, OR PLAYING FIELD FOR SPECTATORS IN

802.3 COMPANION SEATS. COMPANION SEATS SHALL COMPLY WITH 802.3.

#### 803. DRESSING, FITTING, AND LOCKER ROOMS

WHEELCHAIR SPACES SHALL COMPLY WITH 802.2.

803.1 GENERAL. DRESSING, FITTING, AND LOCKER ROOMS SHALL COMPLY WITH 803.

ADVISORY 803.1 GENERAL. PARTITIONS AND DOORS SHOULD BE DESIGNED TO ENSURE PEOPLE USING ACCESSIBLE DRESSING AND FITTING ROOMS PRIVACY EQUIVALENT TO THAT AFFORDED OTHER USERS OF THE FACILITY. SECTION 903.5 REQUIRES DRESSING ROOM BENCH SEATS TO BE INSTALLED SO THAT THEY ARE AT THE SAME HEIGHT AS A TYPICAL WHEELCHAIR SEAT. 17 INCHES (430 MM) TO 19 INCHES (485 MM). HOWEVER, WHEELCHAIR SEATS CAN BE LOWER THAN DRESSING ROOM BENCHES FOR PEOPLE OF SHORT STATURE OR CHILDREN USING WHEELCHAIRS.

#### **804 KITCHENS AND KITCHENETTES**

804.2 CLEARANCE. WHERE A PASS THROUGH KITCHEN IS PROVIDED, CLEARANCES SHALL COMPLY WITH 804.2.1. WHERE A U-SHAPED KITCHEN IS PROVIDED, CLEARANCES SHALL COMPLY WITH 804.2.2.

EXCEPTION: SPACES THAT DO NOT PROVIDE A COOKTOP OR CONVENTIONAL RANGE SHALL NOT BE REQUIRED TO COMPLY WITH 804.2.

804.2.1 PASS THROUGH KITCHEN. IN PASS THROUGH KITCHENS WHERE COUNTERS, APPLIANCES OR CABINETS ARE ON TWO OPPOSING SIDES, OR WHERE COUNTERS, APPLIANCES OR CABINETS ARE OPPOSITE A PARALLEL WALL, CLEARANCE BETWEEN ALL OPPOSING BASE CABINETS, COUNTER TOPS, APPLIANCES, OR WALLS WITHIN KITCHEN WORK AREAS SHALL BE 40 " MIN PASS THROUGH KITCHENS SHALL HAVE TWO ENTRIES.

804.2.2 U-SHAPED. IN U-SHAPED KITCHENS ENCLOSED ON THREE CONTIGUOUS SIDES, CLEARANCE BETWEEN ALL OPPOSING BASE CABINETS, COUNTER TOPS, APPLIANCES, OR WALLS WITHIN KITCHEN WORK AREAS SHALL BE 60 " MIN. 804.3 KITCHEN WORK SURFACE. IN RESIDENTIAL DWELLING UNITS REQUIRED TO COMPLY WITH 809, AT LEAST ONE 30" WIDE MIN SECTION OF COUNTER SHALL PROVIDE A KITCHEN WORK SURFACE THAT COMPLIES WITH 804.3.

804.3.1 CLEAR FLOOR OR GROUND SPACE. A CLEAR FLOOR SPACE COMPLYING WITH 305 POSITIONED FOR A FORWARD APPROACH SHALL BE PROVIDED. THE CLEAR FLOOR OR GROUND SPACE SHALL BE CENTERED ON THE KITCHEN WORK SURFACE AND SHALL PROVIDE KNEE AND TOE CLEARANCE COMPLYING WITH 306.

EXCEPTION: CABINETRY SHALL BE PERMITTED UNDER THE KITCHEN WORK SURFACE PROVIDED THAT ALL THE FOLLOWING CONDITIONS ARE MET:

THE CABINETRY CAN BE REMOVED WITHOUT REMOVAL OR REPLACEMENT OF THE KITCHEN WORK (a) SURFACE: THE FINISH FLOOR EXTENDS UNDER THE CABINETRY; AND

THE WALLS BEHIND AND SURROUNDING THE CABINETRY ARE FINISHED.

804.3.2 HEIGHT. THE KITCHEN WORK SURFACE SHALL BE 34 " MAX ABOVE THE FINISH FLOOR OR GROUND. EXCEPTION: A COUNTER THAT IS ADJUSTABLE TO PROVIDE A KITCHEN WORK SURFACE AT VARIABLE

HEIGHTS 29" MIN AND 36" MAX, SHALL BE PERMITTED.

804.3.3 EXPOSED SURFACES. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER THE WORK SURFACE COUNTERS.

804.5 STORAGE. AT LEAST 50 PERCENT OF SHELF SPACE IN STORAGE FACILITIES SHALL COMPLY WITH 811.

804.6.2 OPERABLE PARTS. ALL APPLIANCE CONTROLS SHALL COMPLY WITH 309. EXCEPTIONS:

COMPLY WITH 309.3. 804.6.3 DISHWASHER. CLEAR FLOOR OR GROUND SPACE SHALL BE POSITIONED ADJACENT TO THE DISHWASHER DOOR. THE DISHWASHER DOOR, IN THE OPEN POSITION, SHALL NOT OBSTRUCT THE CLEAR

309.4.

804.6.5.1 SIDE-HINGED DOOR OVENS. SIDE-HINGED DOOR OVENS SHALL HAVE THE WORK SURFACE REQUIRED BY 804.3 POSITIONED ADJACENT TO THE LATCH SIDE OF THE OVEN DOOR.

804.6.5.2 BOTTOM-HINGED DOOR OVENS. BOTTOM-HINGED DOOR OVENS SHALL HAVE THE WORK SURFACE REQUIRED BY 804.3 POSITIONED ADJACENT TO ONE SIDE OF THE DOOR.

804.6.6 REFRIGERATOR/FREEZER, COMBINATION REFRIGERATORS AND FREEZERS SHALL HAVE AT LEAST 50 PERCENT OF THE FREEZER SPACE 54 " MAX ABOVE THE FINISH FLOOR OR GROUND. THE CLEAR FLOOR OR GROUND SPACE SHALL BE POSITIONED FOR A PARALLEL APPROACH TO THE SPACE DEDICATED TO A REFRIGERATOR/ FREEZER WITH THE CENTERLINE OF THE CLEAR FLOOR OR GROUND SPACE OFFSET 24 MAX FROM THE CENTERLINE OF THE DEDICATED SPACE.

811.4 OPERABLE PARTS. OPERABLE PARTS SHALL COMPLY WITH 309.

PROVIDED.

FLOOR OR GROUND SPACE FOR THE DISHWASHER OR THE SINK.

804.6.4 RANGE OR COOKTOP. WHERE A FORWARD APPROACH IS PROVIDED, THE CLEAR FLOOR OR GROUND SPACE SHALL PROVIDE KNEE AND TOE CLEARANCE COMPLYING WITH 306. WHERE KNEE AND TOE SPACE IS PROVIDED, THE UNDERSIDE OF THE RANGE OR COOKTOP SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PREVENT BURNS, ABRASIONS, OR ELECTRICAL SHOCK. THE LOCATION OF CONTROLS SHALL NOT REQUIRE REACHING ACROSS BURNERS.

804.6.5 OVENS

804.6.5.3 CONTROLS. OVENS SHALL HAVE CONTROLS ON FRONT PANELS.

804.6 APPLIANCES. WHERE PROVIDED, KITCHEN APPLIANCES SHALL COMPLY WITH 804.6.

804.6.1 CLEAR FLOOR OR GROUND SPACE. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 SHALL BE PROVIDED AT EACH KITCHEN APPLIANCE. CLEAR FLOOR OR GROUND SPACES SHALL BE PERMITTED TO OVERLAP.

APPLIANCE DOORS AND DOOR LATCHING DEVICES SHALL NOT BE REQUIRED TO COMPLY WITH 2. BOTTOM-HINGED APPLIANCE DOORS, WHEN IN THE OPEN POSITION, SHALL NOT BE REQUIRED TO

#### 811 STORAGE

811.1 GENERAL. STORAGE SHALL COMPLY WITH 811

811.2 CLEAR FLOOR OR GROUND SPACE. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 SHALL BE PROVIDED.

811.3 HEIGHT. STORAGE ELEMENTS SHALL COMPLY WITH AT LEAST ONE OF THE REACH RANGES SPECIFIED IN 308.

CHAPTER 9: BUILT-IN ELEMENTS

#### 902: DINING SURFACES AND WORK SURFACES

GENERAL. DINING SURFACES AND WORK SURFACES SHALL COMPLY WITH 902.2 AND 902.3.

902.2 CLEAR FLOOR OR GROUND SPACE. A CLEAR FLOOR SPACE COMPLYING WITH 305 POSITIONED FOR A FORWARD APPROACH SHALL BE PROVIDED. KNEE AND TOE CLEARANCE COMPLYING WITH 306 SHALL BE

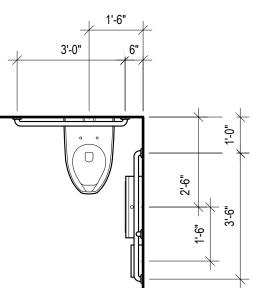
902.3 HEIGHT. THE TOPS OF DINING SURFACES AND WORK SURFACES SHALL BE 28 " MIN AND 34" MAX ABOVE THE FINISH FLOOR OR GROUND.

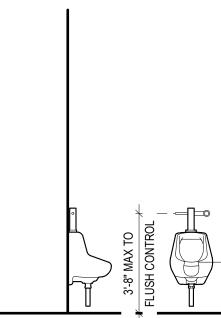
904 CHECK-OUT AISLES AND SALES AND SERVICE COUNTERS, GENERAL, CHECK-OUT AISLES AND SALES AND SERVICE COUNTERS SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF 904, APPROACH, ALL PORTIONS OF COUNTERS REQUIRED TO COMPLY WITH 904 SHALL BE LOCATED ADJACENT TO A WALKING SURFACE COMPLYING WITH 403.

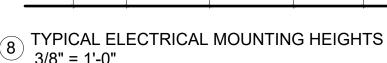
904.5 FOOD SERVICE LINES. COUNTERS IN FOOD SERVICE LINES SHALL COMPLY WITH 904.5.

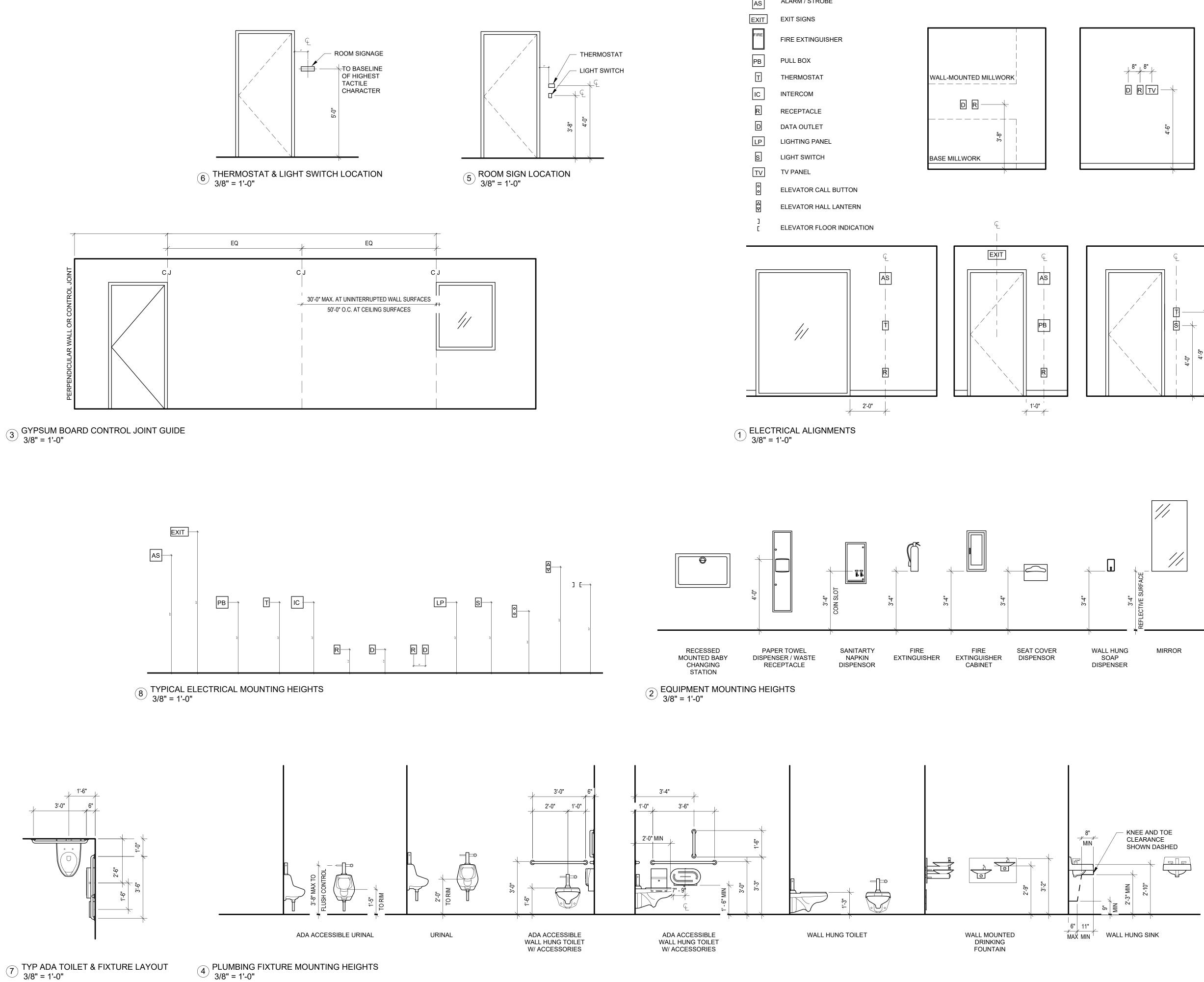
C Z  $\square$  $\supset$ Ш Ш Ľ S Ζ 4 Λ Ŷ Ш Ŷ Ζ Ш **(ח**) X M X 5 Ζ R  $\infty$ Z G  $i \cap i$  $\mathbf{U}$ ШZ Οш ESIGNED CR RAWN CR CALE **AS NOTED** January 25, 2023 ROJECT NO 22-3732 REVISIONS: PROVED HEET NO GN4



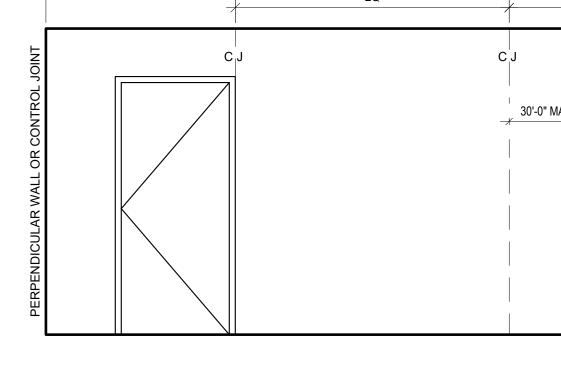


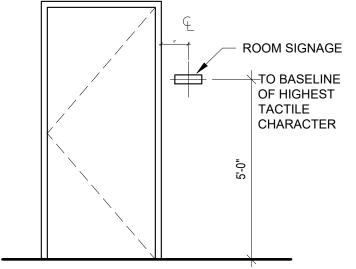




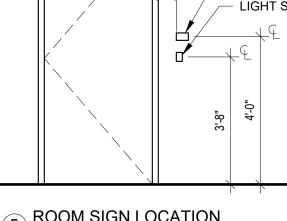


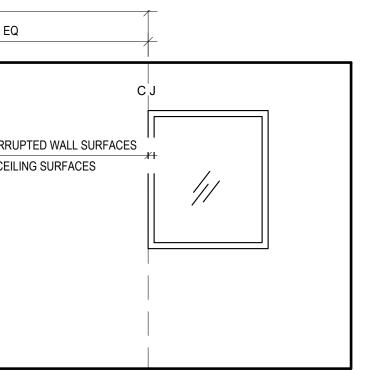
3 GYPSUM BOARD CONTROL JOINT GUIDE 3/8" = 1'-0"

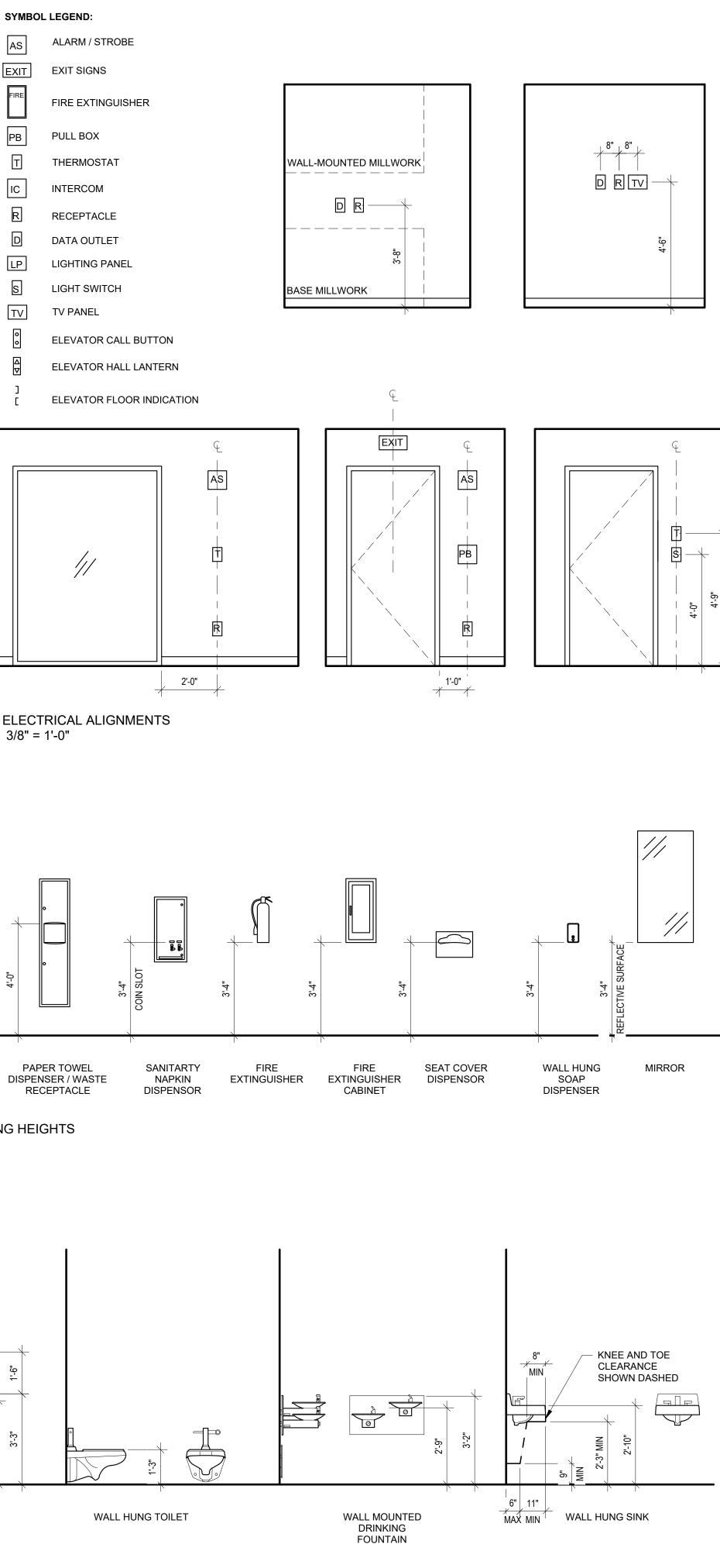


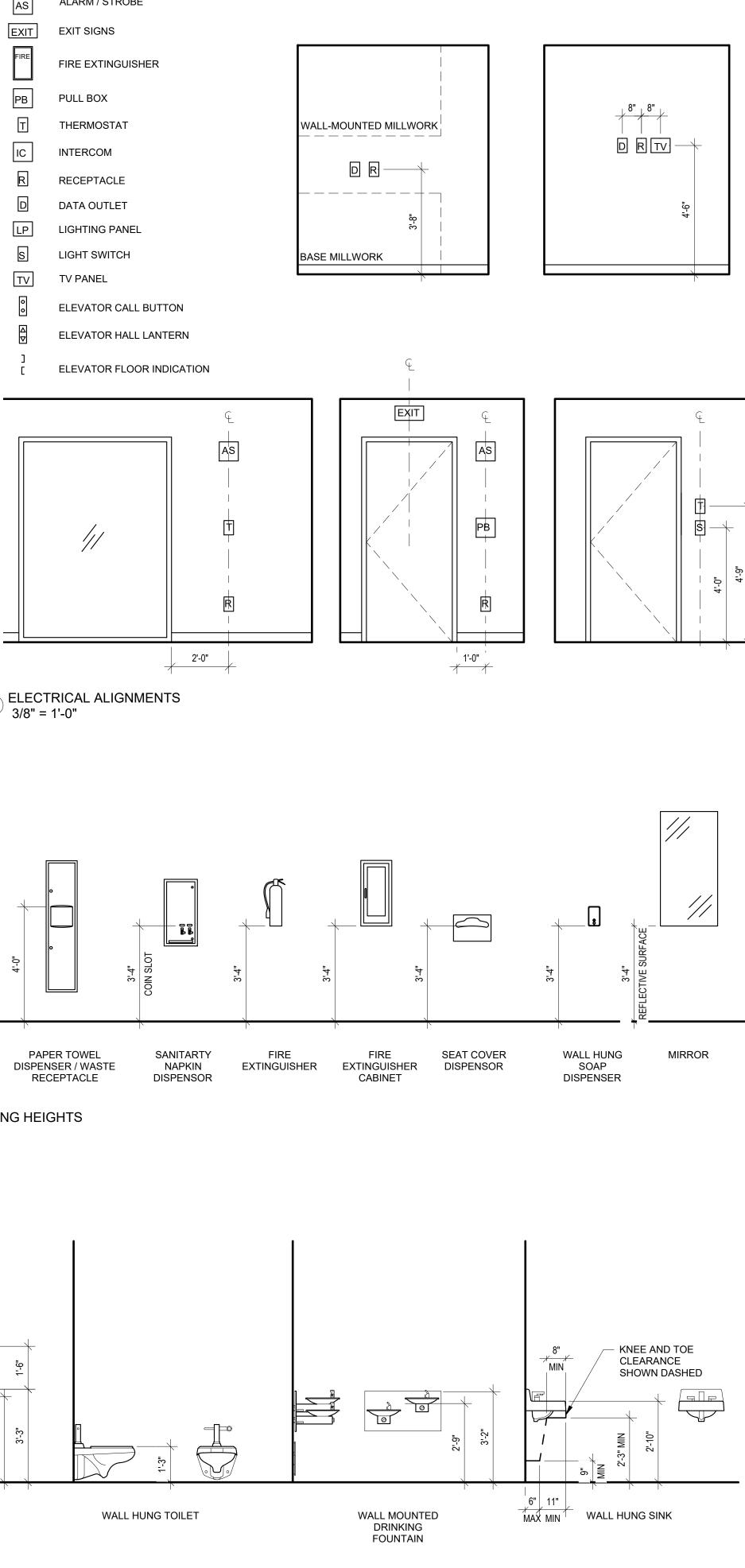




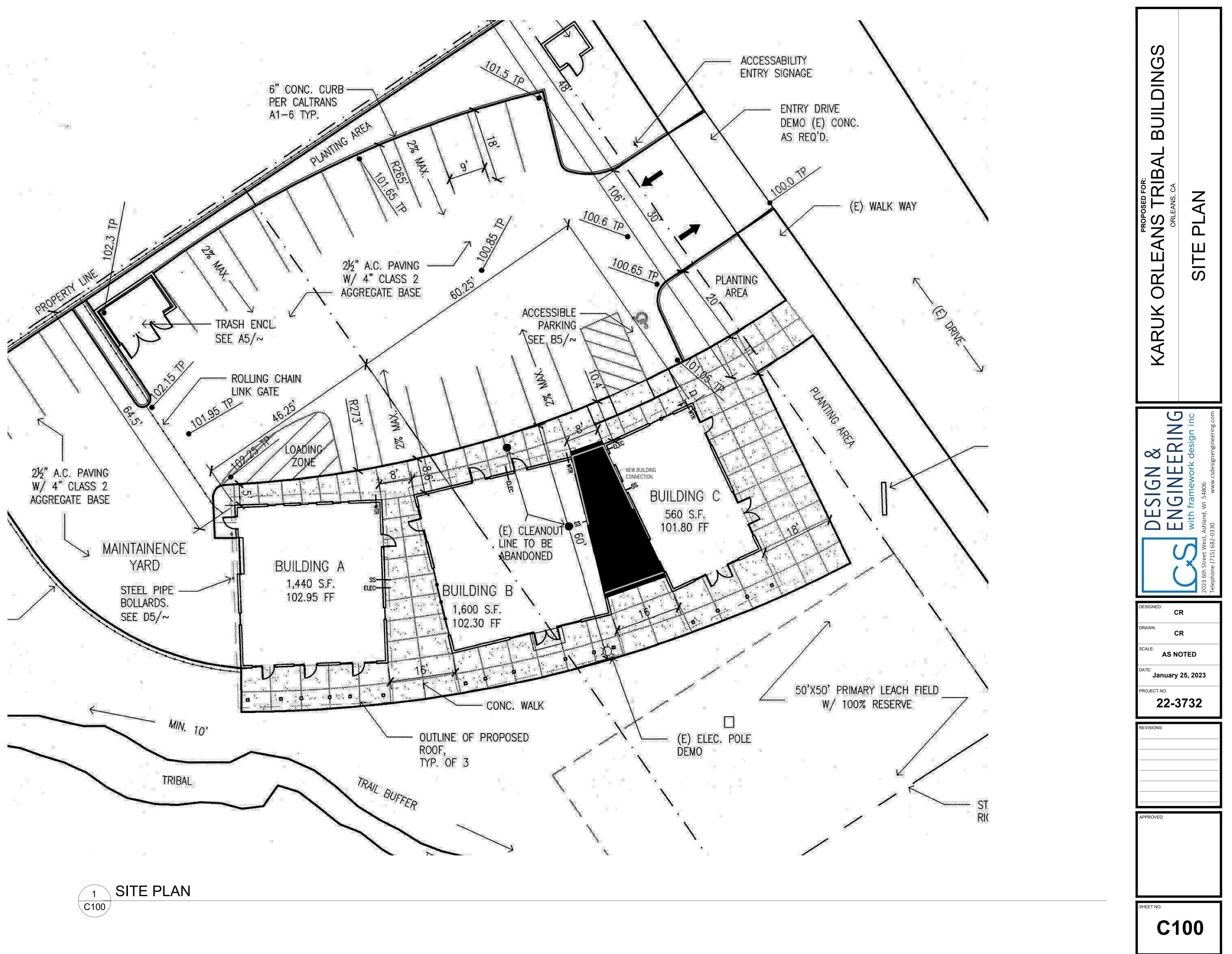












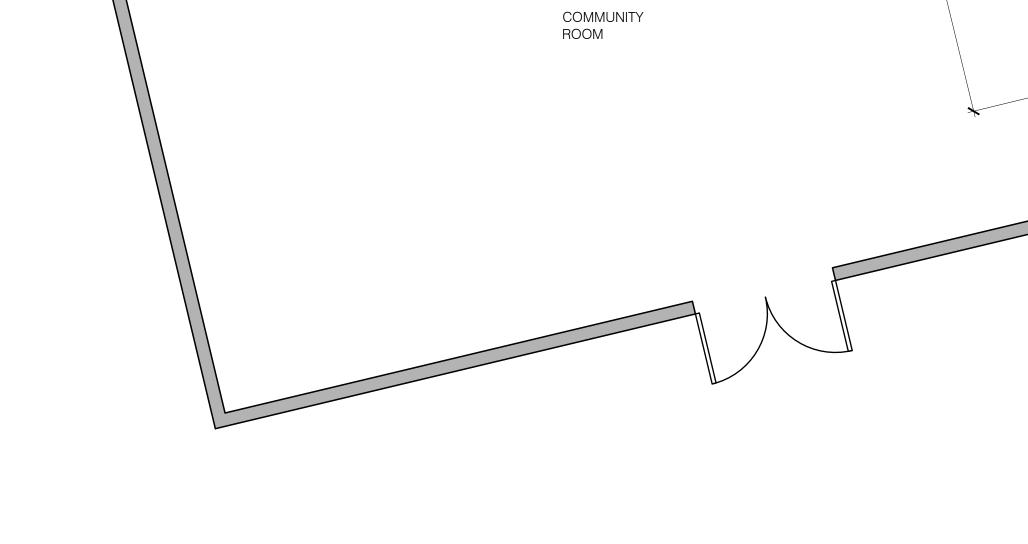
1. GENERAL

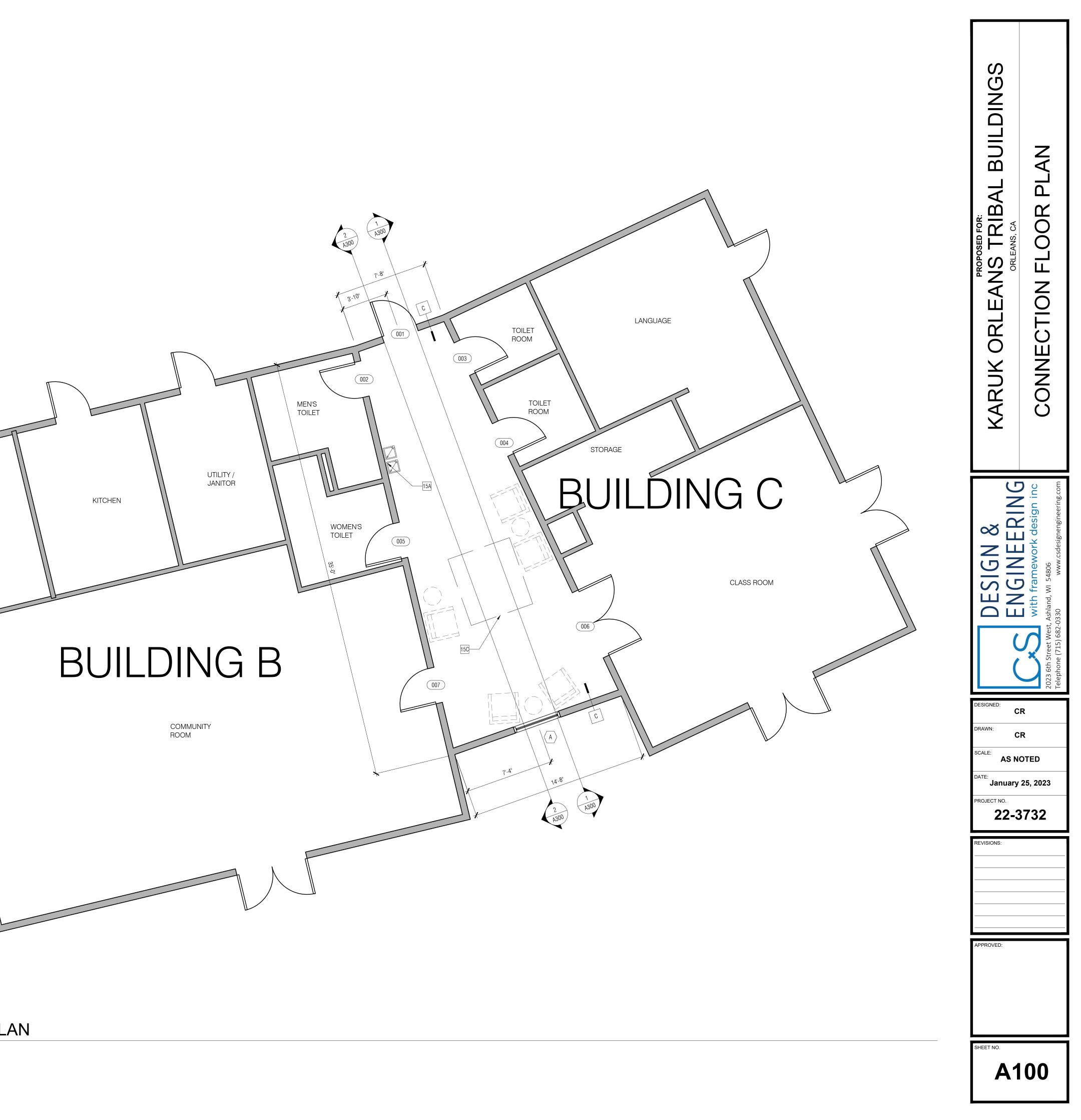
- 1A. SEE GN1-5 FOR SPECIFICATIONS AND OTHER DRAWINGS FOR INFO NOT SHOWN
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2A.

- 3. CONCRETE
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- 5. METALS
- 5A. GUTTER AND DOWNSPOUTS CONNECT TO CIVIL STORM WATER DESIGN
- 5B. METAL ROOF (TO MATCH EXISTING)
- 6. WOOD AND PLASTICS
- 6A. ALL WALL DIMENSIONS TO FACE OF STUD OR CENTER OF ROUGH OPENING, U.N.O.
- 6B. SEE GN1 FOR ALL WALL TYPES AND TAGS
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- 7A. INSULATION PER SPECS
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- 7G. 5/4, 4" DOOR & WINDOW TRIM (TO MATCH EXISTING)
- 7H. 5/4, 4" PRE-PRIMED, CEMENT FIBER EXT. CORNER TRIM BD. (TO MATCH EXISTING)
- 7I. FIBER CEMENT SOFFIT BD W/VENT (TO MATCH EXISTING)
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- 9. FINISHES
- 9A. SEE FINISH SCHEDULE AND SPECIFICATIONS FOR ADD'L INFO
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- 9C. GYPSUM BOARD, PAINTED, FINISH PER SCHEDULES, COLOR TBD BY OWNER
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- 10. SPECIALTIES 10A. FURNITURE SHOWN FOR REFERENCE ONLY
- 11.EQUIPMENT
- 11A. ALL APPLIANCES AND FIXTURES TO BE ENERGY STAR RATED
- 13. ACCESSIBLE ELEMENTS (SEE GN2-4 FOR ADDITIONAL INFO)
- 13A. 5' TURNING RADIUS OR 5' "T" SPACE
- 15/16. MEP
- 15A. WATER FOUNTAIN (TO REMAIN) RELOCATE AS NEEDED
- 15B. TAP INTO EXISTING HEAT/ AC
- 15C. RELOCATE EXISTING MECHANICAL EQUIPMENT



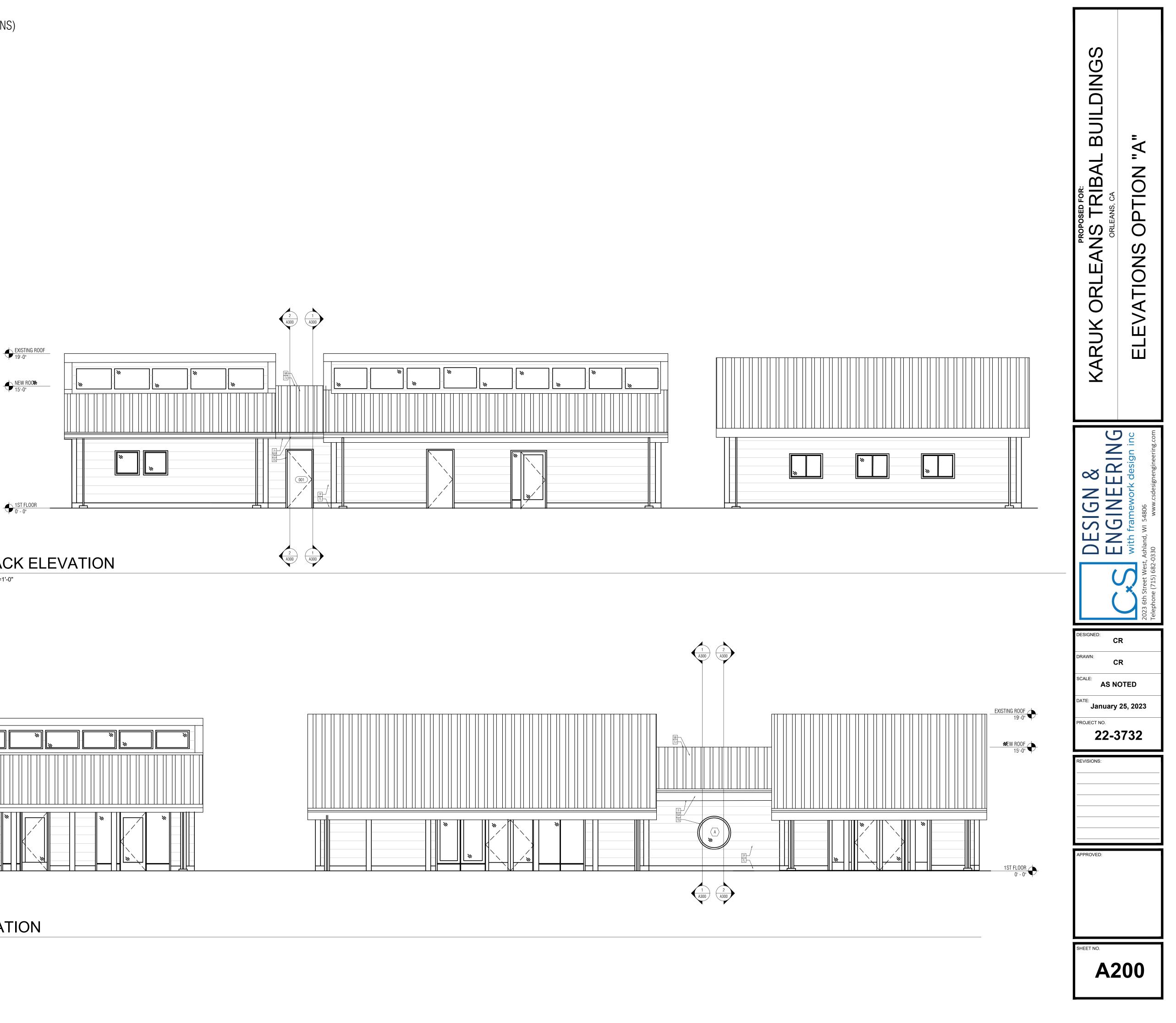




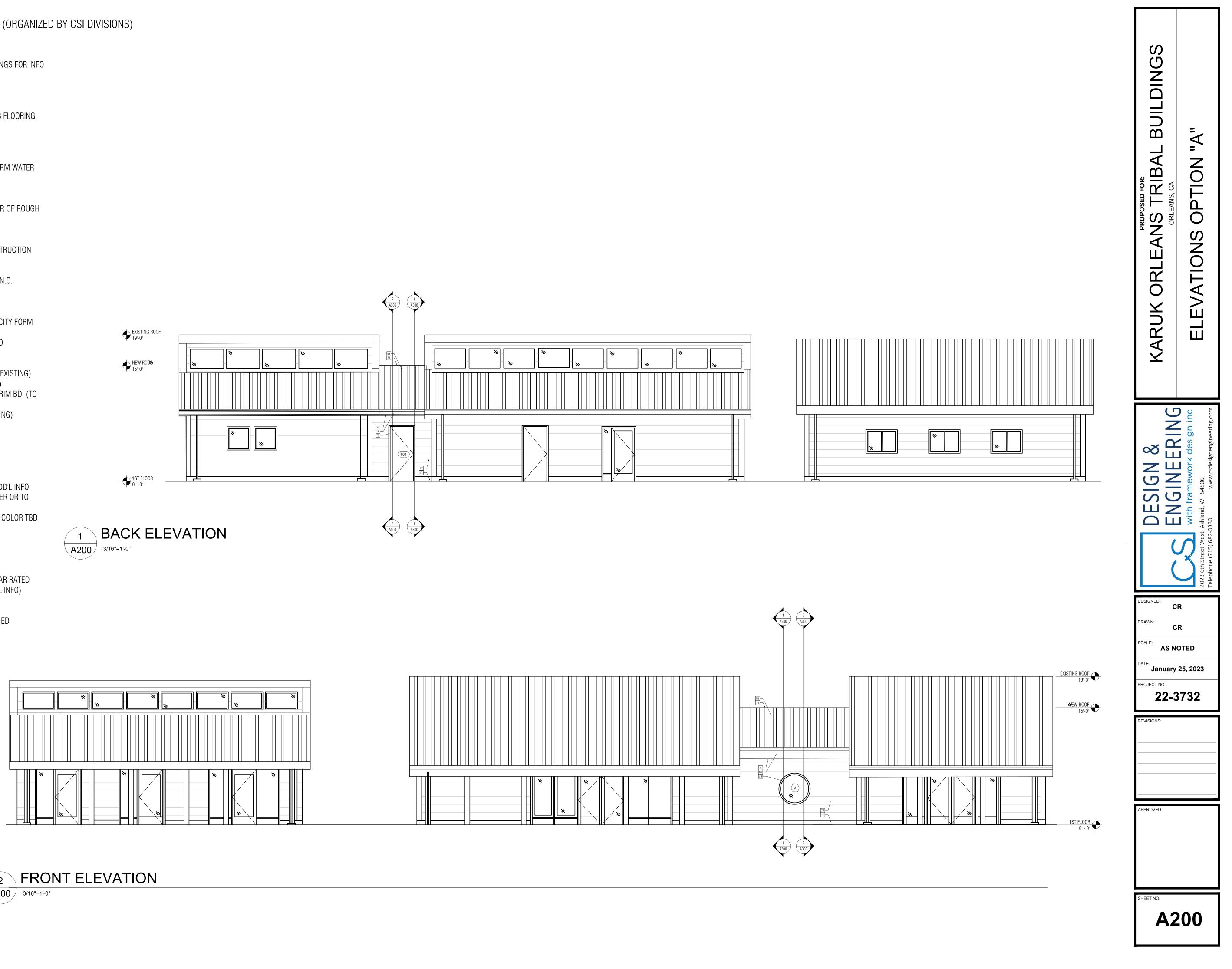
HEALTH OFFICE

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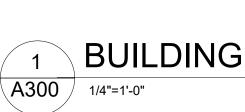






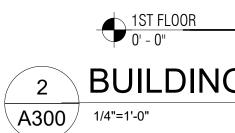
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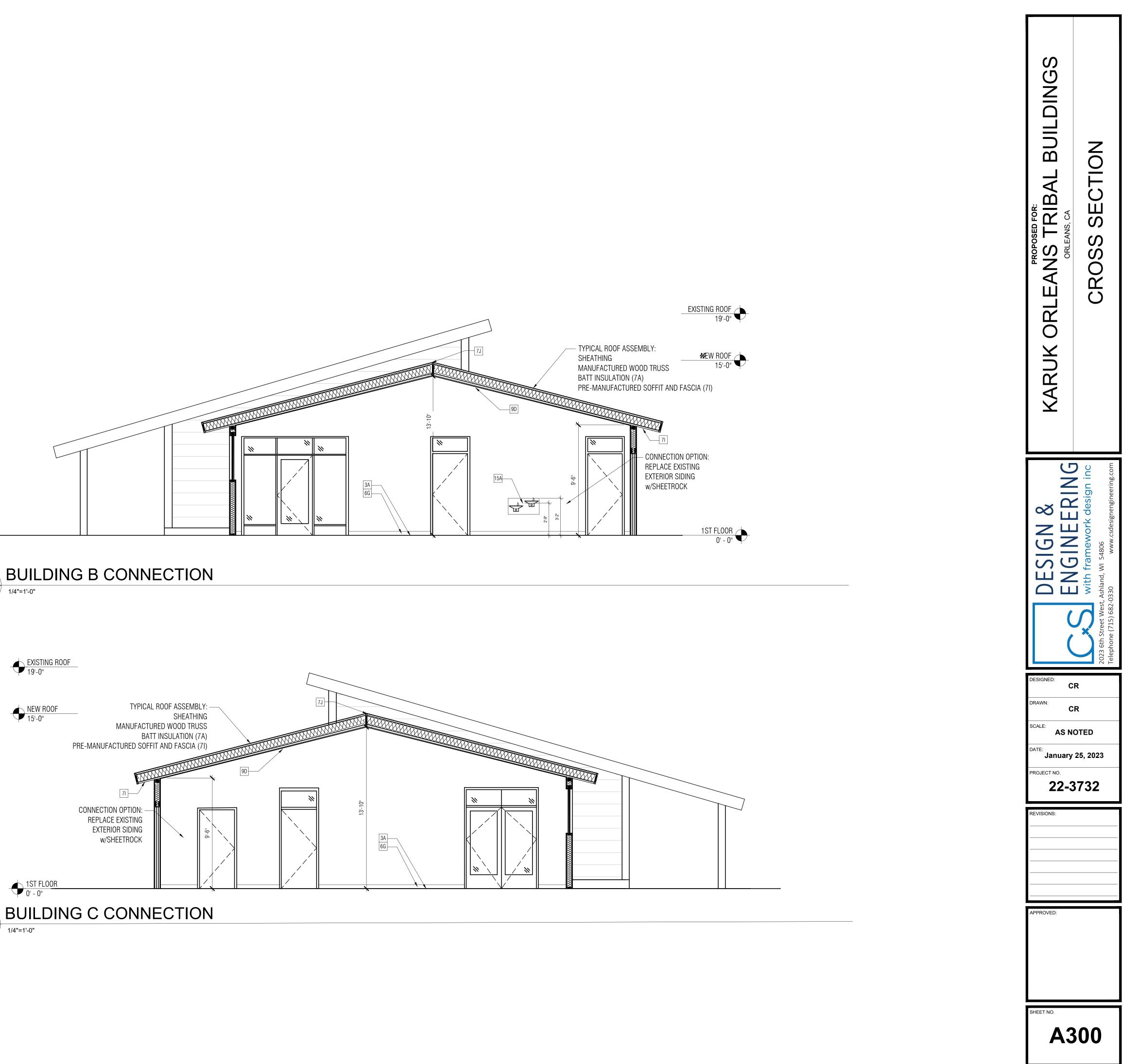


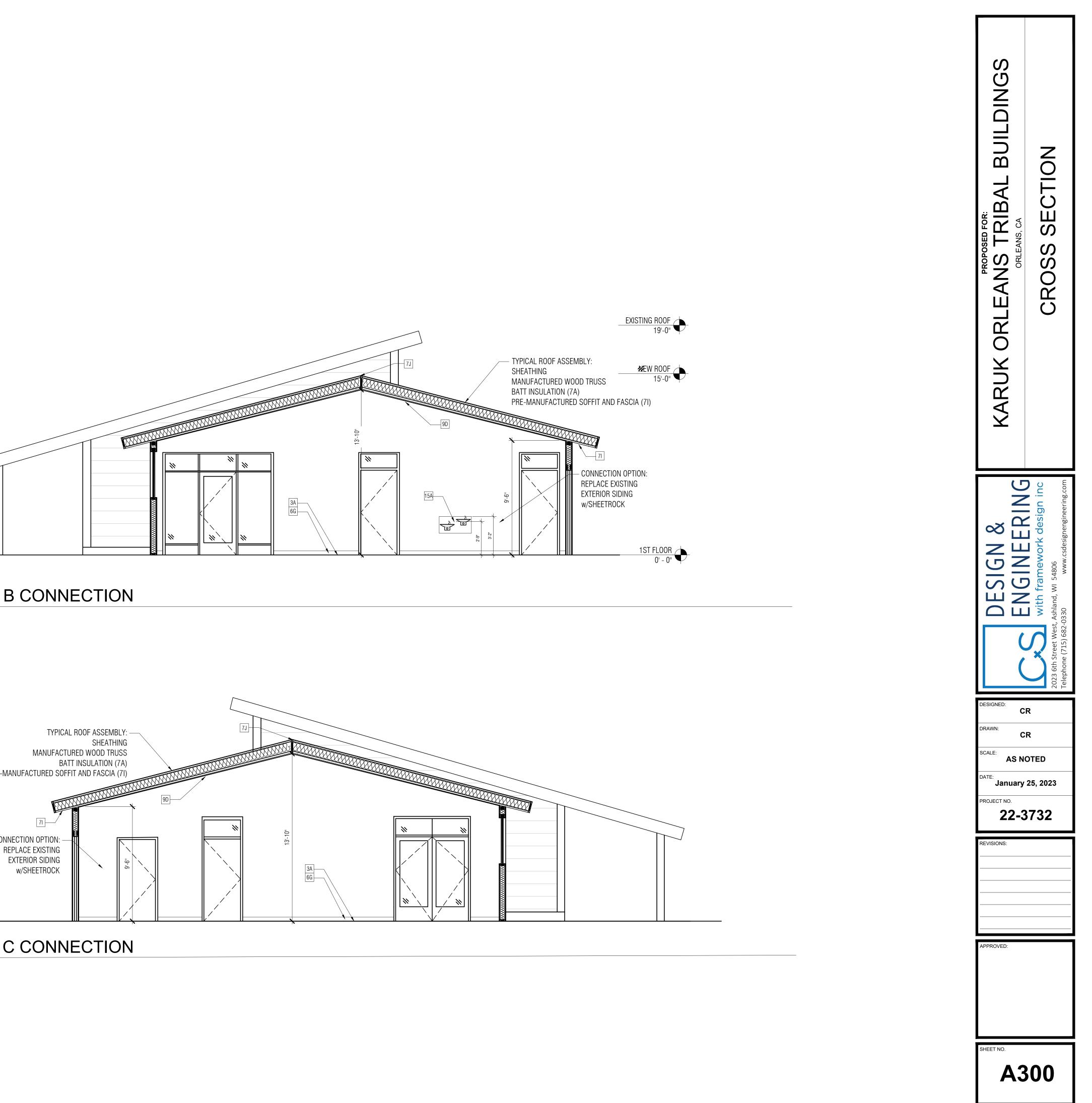


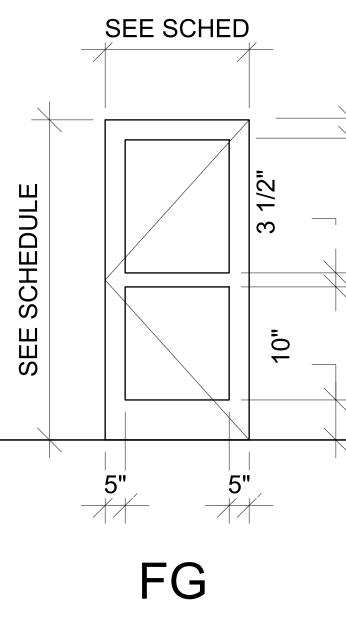












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NOTES 1. INTE

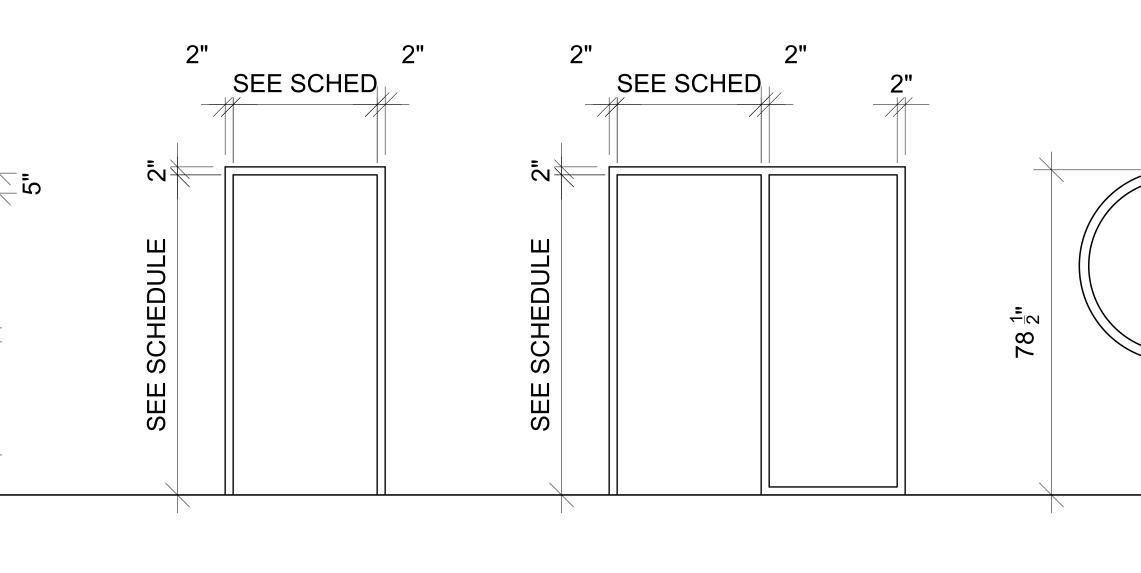
					DC	OR SO	CHEDU	ILE	
				DOOR	F	RAME			
G	ROOM NAME	SIZE (WxH)	TYPE	MATERIAL	TYPE	MATERIAL	FIRE RATING	HARDWARE	COMMENTS
1	CORRIDOR 001	36" x 84"	FG	ALUM	F-1	ALUM	-	SECURITY DOOR W/ AUTOMATIC DOOR OPENER AND KEY CARD- COORDINATE HARDWARE W/ LOW VOLTAGE	
2	RESTROOM	36" x 84"	F	WOOD	F-1	WOOD	-		
3	RESTROOM	36" x 84"	F	WOOD	F-1	WOOD			
4	RESTROOM	36" x 84"	F	WOOD	F-1	WOOD			
5	RESTROOM	36" x 84"	F	WOOD	F-1	WOOD	-		
6	CLASSROOM	72" X 84"	FG	WOOD	F1	WOOD	-	AUTOMATIC DOOR OPENER AND KEY CARD - COORDINATE HARDWARE W/ LOW VOLTAGE	
7	COMMUNITY ROOM	36" x 84"	FG	WOOD	F-1	WOOD	-	AUTOMATIC DOOR OPENER AND KEY CARD - COORDINATE HARDWARE W/ LOW VOLTAGE	
S		·							
TERIC	R DOORS TO BE SOLID CORE WOOD DO	ORS U.N.O.							

2. SF FRAMES DENOTES STOREFRONT ASSEMBLIES, SEE WINDOW TYPES

# WINDOW SCHEDULE

<b>T</b> 10	QUAI	NTITY	7.05		ROUGH OPENING	WALL				
TAG	BASE BID	ALTERNATE	ТҮРЕ	UNIT SIZE (WxH)	(WxH)	THICKNESS	MANUFACTURER	GLASS INSUL. TYPE	HEADER HEIGHT	COMMENTS
$\langle A \rangle$	1		FIXED	4'x4'	48 ½" x 48 ½"	8"	PLYGEM OR SIM.	LOW-E W/ ARGON	78 ½" A.F.F.	
IOTES										

1. FIELD VERIFY ALL OPENINGS. 2. WINDOWS TO BE THERMALLY BROKEN ALUMINUM CLAD WOOD WINDOWS, TRIPLE GLAZED, LOWe, AND MEET OR EXCEED U OF 0.34 3. SEE ADDITIONAL NOTES IN SPECIFICATIONS, SECTIONS 7 AND 8.



F-1

**F-2** 

KARUK ORLEANS TRIBAL BUILDINGS	SCHEDULES
DESIGNED: CR DESIGNED: CR DRAWN: CR DRAWN: CR CR CR CR CR CR CR CR CR CR	2023 6th Street West, A Telephone (715) 682-03
APPROVED: SHEET NO.	0

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