NEW COMMERCIAL CONSTRUCTION FOR:

LAKE MEAD TITLE LOAN

635 W. LAKE MEAD PARKWAY - HENDERSON, NEVADA 89015

APN NUMBER: 178-13-717-006

JURISDICTION: HENDERSON - 89015

ZONING: HIGHWAY COMMERCIAL (CH)

PROJECT TEAM

GENERAL CONTRACTOR:

ASSURED DEVELOPMENT
2 IDAHO WAY
HENDERSON, NV 89015
PHN: 702-868-0900
FAX: 866-248-6564

PLUMBING CONTRACTOR:

JUST IN TIME
636 MIDDLEGATE ROAD
HENDERSON, NEVADA 89011
702-296-4392

ELECTRICAL CONTRACTOR:

JUST IN TIME
636 MIDDLEGATE ROAD
HENDERSON, NEVADA 89011
702-296-4392

MECHANICAL CONTRACTOR:

JUST IN TIME
636 MIDDLEGATE ROAD
HENDERSON, NEVADA 89011
702-296-4392

STRCTRL. CONTRACTOR:

L. RIED POPE, PE, PLS
1240 E. 100 S #15B
SAINT GEORGE, UTAH 84790
435-628-1676

CIVIL CONTRACTOR:

DLC CONSULTING
610 CURTIN COURT
LAS VEGAS, NEVADA 89123
702-617-4067

NEW COMMERCIAL CONSTRUCTION FOR:

LAKE MEAD TITLE LOAN

ADDRESS: 615 W. LAKE MEAD PKWY

APN NUMBER: 178-13-717-006

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SHEET INDEX

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PROJECT COVER					
-	COVER PAGE	●			
CIVIL					
1	COVER SHEET	●			
2	NOTES & QUANITIES	●			
3	GRADING PLAN	●			
4	UTILITY PLAN	●			
ARCHITECTURAL					
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A0.01	GENERAL NOTES	●		●	
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A0.03	CODE AND EXITING PLAN	●	●	●	●
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S0.10	PROJECT NOTES & SPECIFICATIONS	●			
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MECHANICAL					
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PLUMBING					
P-1	PLUMBING PLAN	●			
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E-1	LIGHTING DESIGN	●			
E-2	POWER PLAN	●			
LANDSCAPE					
L1.00	LANDSCAPE PLAN	●		●	

CODE ANALYSIS

(1) CODE YEAR/TYPE		CITY ORDINANCE
2018 INTERNATIONAL RESIDENTIAL CODE 2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL EXISTING BUILDING CODE 2018 INTERNATIONAL FIRE CODE 2018 UNIFORM MECHANICAL CODE 2018 UNIFORM PLUMBING CODE 2018 INTERNATIONAL ENERGY CONSERVATION CODE 2017 NATIONAL ELECTRICAL CODE AND ALL LOCAL AMENDMENTS		
(2) OCCUPANCY CLASSIFICATION		IBC CHAPTER 3
B - BUSINESS		
(3) TYPE OF CONSTRUCTION		IBC CHAPTER 6
TYPE V-B		
(4) FIRE SPRINKLERS		IBC 903, 903.3
☐ YES ■ NO		
(5) FIRE ALARM		IBC 907
☐ YES ■ NO		
(6) BUILDING HEIGHT		IBC 503 / 504 & TABLE 503
ALLOWABLE: 40'-0"	ACTUAL: 28'-0"	
(7) NUMBER OF STORIES		IBC 504.2 & TABLE 503
ALLOWABLE: 1	ACTUAL: 1	
(8) BUILDING AREA (AREA OF WORK)		IBC 503 THROUGH 507 & TABLE 503
ALLOWABLE: 9,000 S.F.	ACTUAL: 1,634 S.F.	
(9) OCCUPANT LOAD		IBC 1004, 1004.9 AND TABLE 1004.1
11 OCCUPANTS		
(10) NUMBER OF EXITS		IBC 1015.1, 1021, TBLS. 1015.1, 1021.1, 1021.2
REQUIRED: 1	PROVIDED: 2	
(11) EXTERIOR WALL FIRE RESISTANCE		IBC 705, 712.4, TABLE 602
X ≥30 - O HR. RATING REQUIRED		
(12) PROTECTION OF OPENINGS & MAX AREA OF EXTERIOR WALL OPENINGS		IBC 705.8 & TABLE 705.8
NOT APPLICABLE		
(13) FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS		IBC 602.1, 702.1, CHAPTER 7, TABLES 601
PER SECTION 508		WE COMPLY
PER CHAPTER 7		WE COMPLY
PER SECTION 1020		WE COMPLY
PER SECTION 1022		WE COMPLY
PER SECTION 3006.4		WE COMPLY
PER TABLE 601		WE COMPLY
PER 1017.1		WE COMPLY
(14) FIRE RESISTANCE RATED SEPARATION		IBC 508, TABLE 508.3.3
NOT APPLICABLE		
(15) ROOF COVERING MATERIAL		IBC TABLE 1505.1
CLASS C ROOF COVERING		
(16) REQUIRED PLUMBING FIXTURES		IBC 2902 & TABLE 2902.1

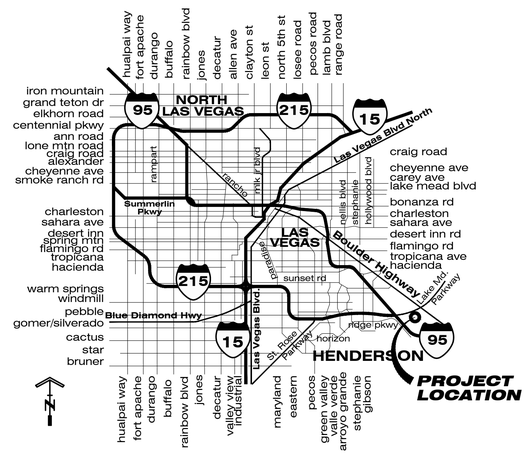
OCCUPANCY	OCCUPANT LOAD	WATER CLOSET MEN	WATER CLOSET WOMEN	LAVATORIES MEN	LAVATORIES WOMEN	BATHTUB OR SHOWERS	DRINKING FOUNTAINS	SERVICE SINK
(B) BUSINESS	11 OCCUPANTS	1 PER 25 FOR FIRST 50 AND 1 PER 50 FOR REMAINDER EXCEEDING 50		1 PER 40 FOR FIRST 80 AND 1 PER 80 FOR REMAINDER EXCEEDING 80		N/A	N/A	1 REQUIRED
TOTAL REQUIRED		1		1		N/A	N/A	1
TOTAL PROVIDED		1		1		N/A	N/A	1

(17) SPECIAL INSPECTION(S) REQUIREMENTS	IBC CHAPTER 17
(18) I.E.C.C. COMPLIANCE REPORT	IBC 1301 2018 I.E.C.C.
19) NON SEPERATED USAGE	IBC 508.3, or 508.4 and TABLE 508.4
NOT APPLICABLE	

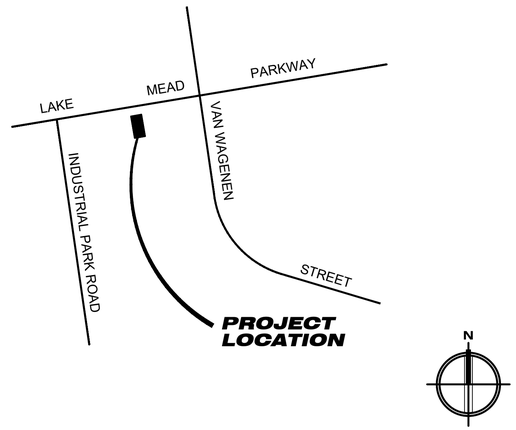
GENERAL NOTES

1. CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR THE SAFETY OF THE EXISTING STRUCTURES DURING DEMO & CONSTRUCTION OF THE EXISTING AND NEW STRUCTURES AND SHALL TAKE ADEQUATE PRECAUTION TO PREVENT DAMAGE TO THE EXISTING STRUCTURE IN ANY WAY. SHOULD DAMAGE TO THE EXISTING STRUCTURE OCCUR, THE ARCHITECT SHALL BE CONSULTED AND THE DAMAGE SHALL BE RECTIFIED TO THE ENTIRE SATISFACTION OF THE OWNER AND ARCHITECT AT NO EXTRA COST TO THE OWNER.
2. CONTRACTOR SHALL INSPECT ALL EXISTING FIRE PROOFING OF STRUCTURAL ELEMENTS, DEMISING WALLS, FLOOR/CEILING ASSEMBLIES, AND OTHER ELEMENTS WHICH ARE REQUIRED TO BE FIRE PROTECTED BY GOVERNING CODES. CONTRACTOR SHALL MAINTAIN, PATCH, AND REPAIR ALL DAMAGED OR REMOVED FIREPROOFING AND SHALL REPLACE ALL MISSING FIREPROOFING TO MAINTAIN ALL FIRE RATINGS.
3. THE CONTRACTOR REPRESENTS THAT HE IS FAMILIAR WITH, AND HAS EXPERTISE IN THE SCOPE OF THIS WORK, THE CONTRACTOR AGREES THAT THE CONTRACT INCLUDES ALL WORK FOR THAT SCOPE AS MAY BE REQUIRED.
4. SPECIAL NOTICE
   A. THE CONTRACTOR SHALL SCHEDULE HIS WORK SUCH THAT CONSTRUCTION IS CONTINUOUS AND NOT INTERRUPTED, AND HE SHALL SUBMIT A SCHEDULE OF CONSTRUCTION OPERATIONS TO THE ARCHITECT FOR REVIEW AND ACCEPTANCE PRIOR TO STARTING WORK.
   B. QUIET AND COURTESY WITH RESPECT TO THE OWNER'S PERSONNEL AND PATRONS IS MANDATORY.
   C. POWER OUTAGES, MECHANICAL SHUTDOWN AND SO FORTH SHALL BE CAREFULLY COORDINATED WITH THE OWNER'S REPRESENTATIVE AND APPROVED IN WRITING BY THE OWNER.
5. ALL WORK SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH ALL GOVERNING CODES, REQUIREMENTS AND REGULATIONS AND IN ACCORDANCE WITH ANSI SAFETY REQUIREMENTS FOR DEMOLITION, OSHA REGULATIONS, SAFETY ORDERS OF THE STATE INDUSTRIAL ACCIDENT COMMISSION, AND THE RULES AND REGULATIONS OF THE NATIONAL AND LOCAL BOARDS OF FIRE UNDERWRITERS, THROUGHOUT THE SCOPE OF WORK.
6. THE CONTRACTOR SHALL SUPERVISE AND DIRECT HIS WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. AS A PART OF HIS RESPONSIBILITY, THE CONTRACTOR SHALL DESIGN AND SUPERVISE ANY SCAFFOLDING FOR HIS WORKMEN AND SHORING OF NEW AND EXISTING ELEMENTS OF CONSTRUCTION AFFECTED BY HIS WORK. PROVIDE TEMPORARY BARRICADES, PROTECTION, FENCES AND WARNING SIGNS AS REQUIRED BY GOVERNING AUTHORITIES AND TO PROTECT THE PUBLIC, AND OWNER EMPLOYEES.
7. THE OWNER WILL NOT BE RESPONSIBLE FOR LOSS OF, OR DAMAGE TO, ANY OF THE CONTRACTOR'S TOOLS, EQUIPMENT OR MATERIALS BY ANY CAUSE.
8. THE CONTRACTOR SHALL SECURE ALL PERMITS AND PAY ALL FEES FOR PERMITS AND INSPECTIONS REQUIRED FOR THE WORK.
9. WOOD MOLDINGS, TRIM, PANELS, ETC. SHALL BE DIRECTLY ATTACHED TO FIRE-RESISTANT SUBSURFACE WITH MECHANICAL FASTENERS AND/OR ADHESIVE, FURRING, IF REQUIRED, SHALL BE FIRE-STOPPED WITH SOLID BLOCKING SPACED A MAXIMUM OF 8' ON CENTER. WOOD FURRING, WHERE REQUIRED, SHALL BE FIRE-TREATED LUMBER CONFORMING TO ASTM, HAVING A THICKNESS NOT GREATER THAT 1 1/4".
10. INSTALL ALL ITEMS TO BE RIGID AND SECURE, PLUMB AND LEVEL. IN ALL INSTANCES WHERE MILLWORK OR CASEWORK ADJOINS OTHER WORK, MAKE A NEAT AND SNUG JOINT.
11. THE DRAWINGS ARE NOT A COMPLETE SET OF INSTRUCTIONS ON HOW TO CONSTRUCT THE PROJECT AND ARE ONLY INTENDED TO CONVEY THE DETAILS REQUIRED TO COMMUNICATE THE DESIGN INTENT FOR THE PROJECT. THE CONTRACTOR SHALL ACCOUNT FOR THE VARIABLES INVOLVED WITH THE CONSTRUCTION PROCESS (TOLERANCES AND LOCAL TRADE CUSTOMS) TO PROVIDE A COMPLETED PROJECT THAT CONFORMS TO THE DESIGN INTENT INFERRED BY THE DRAWINGS.
12. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO STARTING OF WORK AND SHALL NOTIFY THE ARCHITECT IMMEDIATELY, IN WRITING, OF ANY DISCREPANCIES.
13. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER DRAWING SCALE.
14. ALL DETAILS SHALL BE CONSIDERED TYPICAL AT SIMILAR CONDITIONS.
15. CONTRACTOR, AND EACH SUBCONTRACTOR, SHALL BE RESPONSIBLE FOR HAVING COMPLETE KNOWLEDGE OF ALL CONSTRUCTION DOCUMENTS AND THE RELEVANCE TO THE WORK. FAILURE TO BE ACQUAINTED WITH THIS KNOWLEDGE DOES NOT RELIEVE RESPONSIBILITY FOR PERFORMING ALL WORK PROPERLY. ADDITIONAL COMPENSATION SHALL NOT BE ALLOWED DUE TO THE FAILURE TO BECOME FAMILIAR WITH THE ENTIRE CONSTRUCTION DOCUMENT PACKAGE.
16. COORDINATE ALL ROOF/FLOOR PENETRATIONS WITH THE ARCHITECT. MAKE ALL ROOF PENETRATIONS IN ACCORDANCE WITH THE DETAILS AND INFORMATION CONTAINED WITHIN THESE CONSTRUCTION DOCUMENTS, WITH THE INTENT TO MAINTAIN VALIDITY OF ALL ROOFING WARRANTIES. NOTIFY THE ARCHITECT IMMEDIATELY, IN WRITING, OF ANY DISCREPANCIES.
17. CONTRACTOR SHALL VERIFY THAT ALL EXISTING DEMISING WALLS EXTEND TO THE BOTTOM OF THE FLOOR STRUCTURE ABOVE AND SHALL NOTIFY THE ARCHITECT OF ANY DEFICITS IDENTIFIED.
18. CONTRACTOR SHALL COORDINATE ALL WORK TO BE PROVIDED BY CLIENT INCLUDING WORK THAT IS PART OF THE LANDLORD'S RESPONSIBILITY.
19. MECHANICAL EQUIPMENT TO BE LOCATED PER MECHANICAL CONTRACTORS DISCRETION ON SITE.
20. "MAIN ELECTRIC DISCONNECT" PLACARD SHALL BE PLACED ON THE MAIN ELECTRICAL SERVICE EQUIPMENT AND EXTERIOR OF DOOR TO ELECTRICAL ROOM AS PER 2017 NEC 230.70.

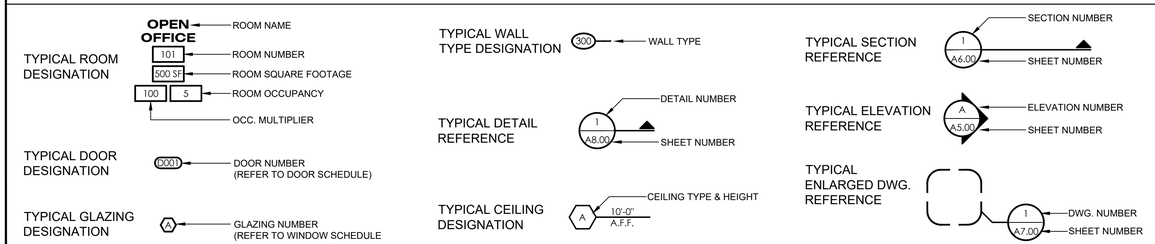
AREA MAP



VICINITY MAP



SYMBOLS LEGEND



GEOTECHNICAL & ENGINEERING REPORT

DuPONT ENGINEERING, INC.
8349 SHADY LADY COURT
LAS VEGAS, NV 89131
702-364-5099

REPORT NUMBER: DEI NO 15-0473
DATED 09-19-19

Rev	Date	Description
1	10/24/2019	BLDG. DEPT. CORRECTIONS
2	11/14/2019	BLDG. DEPT. CORRECTIONS
3	03/04/2020	BLDG. DEPT. CORRECTIONS

Stamp:
STATE OF NEVADA
R-1 GENERAL CONTRACTOR
ASSURED DEVELOPMENT INC.
LIC #85290
EXP
3/31/2021
PROFESSIONAL CONTRACTOR

ASSURED DEVELOPMENT
2 IDAHO WAY, HENDERSON, NEVADA 89015
Phone: (702) 868-0900
Fax: (866) 248-6564

CONSTRUCTION DOCUMENTS FOR:
635 WEST LAKE MEAD
COMMERCIAL BUILDING
635 WEST LAKE MEAD PARKWAY
HENDERSON, NEVADA 89015
APN # 178-13-717-006 & 008

DATE
03-04-2020
PHASE
CONST. DOCS.
SUBMITTAL
PROJECT NO.
008-19012
SHEET NO.
A0.00
COVER PAGE

GENERAL NOTES

DIVISION 1

GENERAL REQUIREMENTS
WORK PERFORMED SHALL COMPLY WITH THE FOLLOWING:

1. THESE GENERAL NOTES UNLESS OTHERWISE NOTED ON PLANS OR SPECIFICATIONS.
2. INTERNATIONAL BUILDING CODE, APPLICABLE EDITION 2018
   ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES, ORDINANCES, LAWS, REGULATIONS AND PROTECTIVE COVENANTS GOVERNING THE SITE OF WORK.
3. STANDARD SPECIFICATIONS OF ASTM.
4. IN CASE OF CONFLICT, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN.
5. "OR EQUAL": THE CONTRACTOR SHALL SUBMIT FOR THE ARCHITECT'S AND OWNER'S APPROVAL ALL MATERIALS OR EQUIPMENT WHICH IS CONSIDERED "OR EQUAL" TO THAT SPECIFIED.
6. ON SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS. NOTED DIMENSIONS TAKE PRECEDENT OVER SCALE. EACH CONTRACTOR OR SUBCONTRACTOR SHALL REPORT TO PROJECT SUPERINTENDENT ALL CONDITIONS WHICH PREVENT THE PROPER EXECUTION OF THEIR WORK.
7. ARCHITECT AND PROJECT SUPERINTENDENT TO BE NOTIFIED IMMEDIATELY BY CONTRACTOR OR SUBCONTRACTOR SHOULD ANY DISCREPANCY OR ANY OTHER QUESTION ARISE PERTAINING TO THE WORKING DRAWINGS AND/OR SPECIFICATIONS. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE RESULTS OF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WHICH THE CONTRACTOR FAILED TO NOTIFY THE ARCHITECT OF BEFORE CONSTRUCTION AND/OR FABRICATION OF THE WORK.
8. SUBCONTRACTOR SHALL: INSURE THAT ALL WORK IS DONE IN A PROFESSIONAL WORKMANLIKE MANNER BY SKILLED MECHANICS AND SHALL REPLACE ANY MATERIALS OR ITEMS DAMAGED BY SUB-CONTRACTORS PERFORMANCE. SUBCONTRACTORS AND SUPPLIERS ARE HEREBY NOTIFIED THAT THEY ARE TO CONFER AND COOPERATE FULLY WITH EACH OTHER DURING THE COURSE OF CONSTRUCTION TO DETERMINE THE EXACT EXTENT AND OVERLAP OF EACH OTHER'S WORK AND TO SUCCESSFULLY COMPLETE THE EXECUTION OF THE WORK. ALL SUBCONTRACTOR WORKMANSHIP WILL BE OF QUALITY TO PASS INSPECTIONS BY LOCAL AUTHORITIES, LENDING INSTITUTIONS, ARCHITECT OR BUILDER. ANY ONE OR ALL OF THE ABOVE-MENTIONED INSPECTORS MAY INSPECT WORKMANSHIP AT ANY TIME, AND ANY CORRECTIONS NEEDED TO ENHANCE THE QUALITY OF BUILDING WILL BE DONE IMMEDIATELY. EACH SUBCONTRACTOR, UNLESS SPECIFICALLY EXEMPTED BY THE TERMS OF HIS SUBCONTRACT AGREEMENT, SHALL BE RESPONSIBLE FOR CLEANING UP AND REMOVING FROM THE JOB SITE ALL TRASH AND DEBRIS NOT LEFT BY OTHER SUB-CONTRACTORS. BUILDER WILL DETERMINE HOW SOON AFTER SUB-CONTRACTOR COMPLETES EACH PHASE OF HIS WORK THAT TRASH AND DEBRIS WILL BE REMOVED FROM THE SITE.

STRUCTURAL ENGINEERING:

1. REFER TO THE CURRENT CALCULATIONS & GENERAL STRUCTURAL NOTES (GSN) FOR LUMBER GRADES, BEAM AND HEADER SIZES, FOOTINGS AND SHEAR REQUIREMENTS.
2. NO DEVIATIONS FROM STRUCTURAL DETAILS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER. APPROVAL BY CITY INSPECTOR DOES NOT CONSTITUTE AUTHORITY TO DEVIATE FROM PLANS OR SPECIFICATIONS.

SOILS ENGINEERING:

1. REFER TO THE CURRENT SOILS REPORT FOR SOIL REQUIREMENTS

BUILDING ACCESSIBILITY:

1. BUILDINGS , PORTIONS OF BUILDINGS AND THE SITE WHICH ARE REQUIRED TO BE ACCESSIBLE TO THE PHYSICALLY DISABLED SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (APPLICABLE EDITION), AMERICANS WITH WITH DISABILITIES ACT, ANSI A-117.1-1998, STATE AND LOCAL CODES OR OTHER AUTHORITY HAVING JURISDICTION.

DISCREPANCIES:

1. ANY DISCREPANCIES OR DEFICIENCIES IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO COMMENCEMENT OF CONSTRUCTION.

DIVISION 2

SITE WORK

1. REFER TO THE CURRENT CIVIL DRAWINGS FOR GRADING AND UTILITY INFORMATION.
2. ALL FINISH GRADES TO DRAIN AWAY FROM THE BUILDING.
3. PAVING AND BASE SHALL BE INSTALLED PER SOILS REPORT RECOMMENDATIONS.
4. LANDSCAPING BY OTHERS. COORDINATE WITH OWNER.

DIVISION 3

CONCRETE

1. REFER TO GENERAL STRUCTURAL NOTES (GSN)
2. ALL FOOTINGS SHALL REST ON FIRM NATURAL SOIL OR APPROVED COMPACTED FILL.
3. TOP OF CONCRETE SLABS TO BE MINIMUM 6" ABOVE FINISH GRADE.
4. UNLESS OTHERWISE NOTED OR SHOWN ON PLANS, THE MINIMUM CLEAR DISTANCE OF THE REINFORCEMENT TO THE FACE OF THE CONCRETE SHALL BE:
   A. SLAB ON GRADE.....2"
   B. CONCRETE AGAINST EARTH:
      FORMED.....2"
      WITHOUT FORM.....3"
5. FOUNDATION (WIDTHS AND DEPTHS) AND REINFORCING AS SHOWN ON PLANS ARE SUPERSEDED BY ANY LOCAL CODES OR ORDINANCES WHICH REQUIRE INCREASES OF THE SAME.
6. ALL LOAD BEARING FOOTINGS SHALL BE TO LEVEL UNDISTURBED SOIL TO DEPTH SHOWN ON DRAWINGS AND SHALL CONFORM WITH THE SOILS REPORT. REPORT ATTACHED AS PART OF PLANS.
7. PIPES MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES, BUT SHALL NOT BE DESIGNED THEREIN. PIPES OR DUCTS EXCEEDING ONE-THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE PLACED IN THE STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED.
8. DO NOT PLACE CONCRETE UNTIL ALL REINFORCEMENT, CONDUIT OUTLET BOXES, ANCHORS, HANGERS, SLEEVES, BOLTS OR OTHER EMBEDDED MATERIALS AND ITEMS ARE SECURELY FASTENED IN POSITION.
9. PROVIDE VAPOR BARRIER AS RECOMMENDED BY THE CURRENT SOILS REPORT

DIVISION 4

MASONRY

1. REFER TO GENERAL STRUCTURAL NOTES.
2. ALL MASONRY SHALL BE REINFORCED GROUTED MASONRY. GROUT SOLID ALL CELLS WHICH CONTAIN REBAR, BOLTS, ETC. GROUT SOLID ALL CELLS BELOW GRADE. GROUT SPACE.
3. SEE THE ARCHITECTURAL DRAWINGS FOR TYPE OF UNITS, LAYING PATTERN AND JOINT DETAILS UNLESS SPECIFICALLY SHOWN OTHERWISE, ALL CONCRETE BLOCK AND BRICK SHALL BE LAID IN RUNNING BOND.

DIVISION 5

METALS

1. REFER TO GENERAL STRUCTURAL NOTES.
2. DRYER VENT TO OUTSIDE AIR PER MANUFACTURER'S SPECIFICATIONS AND LOCAL JURISDICTIONAL REQUIREMENTS.

DIVISION 6

CARPENTRY
1. REFER TO GENERAL STRUCTURAL NOTES (GSN).

FRAMING PRACTICES:

1. ALL MEMBERS SHALL BE FRAMED, ANCHORED, TIED AND BRACED SO AS TO DEVELOP THE STRENGTH AND RIGIDITY NECESSARY FOR THE PURPOSES FOR PURPOSES FOR WHICH THEY ARE USED.

WOOD AND EARTH SEPARATION:

1. NO UNTREATED WOOD, EXCEPT FOUNDATION REDWOOD, SHALL BE NEARER THAN 6 INCHES TO ANY EARTH UNLESS SEPARATED BY CONCRETE AT LEAST 3 INCHES IN THICKNESS WITH AN IMPERVIOUS MEMBRANE INSTALLED BETWEEN THE EARTH AND CONCRETE.

TEMPORARY WALL BRACING

FRAMER IS RESPONSIBLE FOR INSTALLING TEMPORARY WALL BRACING TO ADEQUATELY SUPPORT FRAMING DURING CONSTRUCTION. THIS BRACING SHALL REMAIN IN PLACE UNTIL STRUCTURAL INTEGRITY HAS BEEN ACHIEVED.

PLATES, SILLS AND SLEEPERS -

1. ALL FOUNDATION PLATES OR SILLS AND SLEEPERS ON A CONCRETE SLAB, WHICH IS IN DIRECT CONTACT WITH EARTH, AND SILLS WHICH REST ON CONCRETE OR MASONRY FOUNDATIONS, SHALL BE PRESSURE TREATED WOOD OR FOUNDATION REDWOOD, ALL MARKED OR BRANDED BY AN APPROVED AGENCY.

SAWN LUMBER:

1. STUDS, JOISTS, RAFTERS, FOUNDATION PLATES OR SILLS, BEAMS, STRINGERS, POSTS, STRUCTURAL SHEATHING AND SIMILAR LOAD BEARING MEMBERS SHALL CONFORM TO THE GRADES SET FORTH IN THE I.B.C., APPLICABLE EDITION, CURRENT STRUCTURAL CALCULATIONS AND PLANS.

COLUMNS AND POSTS:

1. COLUMNS AND POSTS LOCATED ON FLOORS OR DECKS EXPOSED TO THE WEATHER OR TO WATER SPLASH AND WHICH SUPPORT PERMANENT STRUCTURES SHALL BE SUPPORTED BY CONCRETE PIERS OR METAL PEDESTALS PROJECTING ABOVE FLOORS UNLESS APPROVED WOOD OF NATURAL RESISTANCE TO DECAY OR TREATED WOOD IS USED. THE PEDESTALS SHALL PROJECT AT LEAST 6 INCHES ABOVE EXPOSED EARTH AND AT LEAST 1 INCH ABOVE SUCH FLOORS.

BEAMS AND GIRDERS:

1. THE ENDS OF BEAMS OR GIRDERS SUPPORTED ON MASONRY OR CONCRETE SHALL HAVE NOT LESS THAN 3 INCHES OF BEARING.
2. ALL BEAMS OR GIRDERS SUPPORTED ON WOOD SHALL HAVE FULL BEARING WHICH CONSISTS OF ONE (1) SOLID SUPPORT OR A BUILT-UP SUPPORT CONSTRUCTED IN AN APPROVED MANNER UNLESS OTHERWISE SPECIFIED ON DRAWINGS.

GLUED LAMINATED LUMBER:

1. REFER TO GENERAL STRUCTURAL NOTES (GSN).
2. FABRICATION AND HANDLING SHALL CONFORM TO THE LATEST A.I.T.C. AND A.S.T.M. STANDARDS AND SHALL BEAR A GRADE STAMP CLEARLY NOTING THE DESIGN PROPERTIES.
3. A CERTIFICATE OF INSPECTION FOR EACH GLU-LAM BEAM FROM AN APPROVED TESTING AGENCY SHALL BE SUBMITTED TO AND APPROVED BY THE LOCAL BUILDING DEPARTMENT AND BY THE ENGINEER PRIOR TO ERECTION.

PLYWOOD SHEATHING:

1. REFER TO (GSN) AND STRUCTURAL DRAWINGS FOR THICKNESS AND LOCATION OF OF ROOF / WALL SHEATHING AND SHEAR PANELS.
2. PLYWOOD SHEATHING IS TO BE CONTINUOUS OVER TWO OR MORE SPANS
3. ALL PLYWOOD SHALL BE STRUCTURAL I AND II STANDARD SHEATHING, C-C GRADES ONLY, WITH EDGES BLOCKED OR UNBLOCKED AS REQUIRED FOR SPAN. All PLYWOOD AND OSB SHALL BE MANUFACTURED BY AN APA MILL, IN ACCORDANCE WITH APA STANDARDS. ALL PLYWOOD AND OSB SHALL BEAR THE APA STAMP.
4. EACH SHEET OF PLYWOOD SHALL BE IDENTIFIED BY A REGISTERED STAMP OR BRAND OF THE AMERICAN PLYWOOD ASSOCIATION WITH SPAN RATING, GRADE, THICKNESS AND EXPOSURE.

RAFTERS / JOISTS:

1. REFER TO GENERAL STRUCTURAL NOTES (GSN).
2. ENDS OF EACH JOIST SHALL HAVE NOT LESS THAN 1 1/2 INCHES OF BEARING ON WOOD OR METAL, NOR LESS THAN 3 INCHES ON MASONRY.
3. JOISTS SHALL BE SUPPORTED LATERALLY AT THE ENDS AND AT EACH SUPPORT BY SOLID BLOCKING EXCEPT WHERE THE ENDS OF JOISTS ARE NAILED TO A HEADER, BAND OR RIM JOIST OR TO AN ADJOINING STUD OR BY OTHER APPROVED MEANS. SOLID BLOCKING SHALL BE NOT LESS THAN 2 INCHES NOMINAL IN THICKNESS AND THE FULL DEPTH OF THE JOIST.
4. NOTCHES AND HOLES: NOTCHES ON THE ENDS OF JOISTS SHALL NOT EXCEED OF THE JOIST DEPTH. HOLES BORED IN JOISTS SHALL NOT BE WITHIN 2 INCHES OF THE TOP OR BOTTOM OF THE JOIST AND THE DIAMETER OF ANY SUCH HOLE SHALL NOT EXCEED ONE-THIRD THE DEPTH OF THE JOIST. NOTCHES IN THE TOP OR BOTTOM OF JOISTS SHALL NOT EXCEED ONE-SIXTH THE DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE THIRD OF THE SPAN.
5. JOISTS FRAMING FROM OPPOSITE SIDES OF A BEAM, GIRDER OR PARTITION SHALL BE LAPPED AT LEAST 3 INCHES OR THE OPPOSING JOISTS SHALL BE TIED TOGETHER IN AN APPROVED MANNER
6. JOISTS FRAMING INTO THE SIDE OF A WOOD BEAM, GIRDER OR PARTITION SHALL BE SUPPORTED BY FRAMING ANCHORS OR LEDGERS NOT LESS THAN 2 INCHES THICK (NOMINAL).
7. TRIMMER AND HEADER JOISTS WHEN FRAMED AROUND OPENINGS SHALL BE DOUBLED, OR OF LUMBER OF EQUIVALENT CROSS SECTION, WHEN THE SPAN OF THE HEADER EXCEEDS 4 FEET. THE JOISTS FRAMING INTO MORE THAN 6 FEET LONG SHALL BE SUPPORTED BY FRAMING ANCHORS OR JOIST HANGERS UNLESS BEARING ON A BEAM, PARTITION OR WALL.
8. WHEN BEARING PARTITIONS ARE PERPINDICULAR TO JOISTS PROVIDE SOLID BLOCKING BETWEEN JOISTS UNDER BEARING PARTITIONS.
9. JOISTS UNDER AND PARALLEL TO BEARING PARTITIONS SHALL BE DOUBLED.

PRE-FABRICATED WOOD TRUSSES

1. MANUFACTURER SHALL SUBMIT TO THE ARCHITECT/ENGINEER AND THE BUILDING DEPARTMENT CALCULATIONS AND SHOP DRAWINGS FOR APPROVAL OF DESIGN LOADS, CONFIGURATION AND SHEAR TRANSFER PRIOR TO FABRICATION. ALL CALCULATIONS AND SHOP DRAWINGS SHALL BE SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHEREIN THE PROJECT IS TO BE BUILT. IT SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER TO OBTAIN BUILDING DEPARTMENT APPROVAL OF CALCULATIONS AND SHOP DRAWINGS PRIOR TO FABRICATION.
2. TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST LOCAL BUILDING CODE FOR ALL LOADS IMPOSED, INCLUDING LATERAL LOADS AND MECHANICAL EQUIPMENT LOADS.
3. ALL CONNECTORS SHALL BE ICBO APPROVED AND OF ADEQUATE STRENGTH TO RESIST STRESSES DUE TO THE LOADINGS INVOLVED.
4. DEAD LOAD DEFLECTIONS SHALL BE LIMITED TO L/240.
5. CROSS BRIDGING AND/OR BRACING SHALL BE PROVIDED AND DETAILED TO ADEQUATELY BRACE ALL TRUSSES. SEE STRUCTURAL CALCULATIONS.

WALL FRAMING

1. SIZE: STUDS IN EXTERIOR WALLS AND INTERIOR BEARING WALLS OF BUILDINGS NOT MORE THAN TWO STORIES IN HEIGHT SHALL BE NOT LESS THAN 2 INCHES BY 4 INCHES IN SIZE. FOR THREE-STORY BUILDINGS SUCH STUDS SHALL BE NOT LESS THAN 3 INCHES BY 4 INCHES OR 2 INCHES BY 6 INCHES TO THE BOTTOM OF THE SECOND FLOOR JOISTS, AND 2 INCHES BY 4 INCHES FOR THE TWO UPPER STORIES. INTERIOR NONBEARING PARTITIONS MAY BE FRAMED WITH 2-INCH BY 4-INCH STUDS @ 24" O.C..
2. HEIGHT: UNLESS SUPPORTED LATERALLY BY ADEQUATE FRAMING, THE MAXIMUM ALLOWABLE HEIGHT FOR STUDS SHALL BE 14 FEET FOR 2 INCHES BY 4 INCHES AND 3 INCHES BY 4 INCH STUDS; AND 20 FEET FOR 2 INCH BY 6 INCH. REFER TO ENGINEERS CALCULATIONS FOR AND "BALOON FRAMED" BEARING WALLS MORE THAN 10'-0" IN HEIGHT.
3. SPACING: STUDS SUPPORTING FLOORS AND CEILING OR RAFTERS SHALL BE SPACED NOT MORE THAN 16 INCHES.
4. CRIPPLE WALLS: FOUNDATION CRIPPLE WALLS SHALL BE FRAMED OF STUDS NOT LESS IN SIZE THAN THE STUDDING ABOVE SHALL BE FRAMED OF SOLID BLOCKING WHEN EXCEEDING 4 FEET IN HEIGHT, SUCH WALLS SHALL BE FRAMED OF STUDS HAVING THE SIZE REQUIRED FOR AN ADDITIONAL STORY.
5. HEADERS: ALL OPENINGS 4 FEET WIDE OR LESS IN BEARING WALLS SHALL BE PROVIDED WITH HEADERS CONSISTING OF EITHER TWO PIECES OF 2-INCH FRAMING LUMBER PLACED ON EDGE AND SECURELY FASTENED TOGETHER OR 4-INCH LUMBER OF EQUIVALENT CROSSSECTION. ALL OPENINGS MORE THAN 4 FEET WIDE SHALL BE PROVIDED WITH HEADERS OR LINTELS. EACH END OF A LINTEL OR HEADER SHALL HAVE A LENGTH OF BEARING OF NOT LESS THAN 1-1/2 INCHES FOR THE FULL WIDTH OF THE LINTEL. SEE FRAMING PLAN FOR SIZE.
6. PIPES IN WALLS: STUD PARTITIONS CONTAINING PLUMBING, HEATING, OR OTHER PIPES SHALL BE SO FRAMED AND THE JOISTS UNDERNEATH SO SPACED AS TO GIVE PROPER CLEARANCE FOR THE PIPING. WHERE A PARTITION CONTAINING SUCH PIPES RUNS PARALLEL TO THE FLOOR JOISTS, THE JOISTS UNDERNEATH SUCH PARTITIONS SHALL BE DOUBLED AND SPACED TO PERMIT THE PASSAGE OF SUCH PIPES AND SHALL BE BRIDGED. WHERE PLUMBING, HEATING OR OTHER PIPES ARE PLACED IN OR PARTLY IN A PARTITION, NECESSITATING THE CUTTING OF THE SOLES OR PLATES, A METAL TIE NOT LESS THAN 1/8 INCH THICK AND 1-1/2 INCHES WIDE SHALL BE FASTENED TO THE PLATE ACROSS AND TO EACH SIDE OF THE OPENING WITH NOT LESS THAN SIX 16d NAILS.
7. BRIDGING: ALL STUD PARTITIONS OR WALLS WITH STUDS HAVING A HEIGHT-TO-AT-LEAST-THICKNESS RATIO EXCEEDING 50 SHALL HAVE BRIDGING NOT LESS THAN 2 INCHES IN THICKNESS AND OF THE SAME WIDTH AS THE STUDS, FITTED SNUGLY AND NAILED THERETO TO PROVIDE ADEQUATE LATERAL SUPPORT.
8. CUTTING AND NOTCHING EXTERIOR WALLS AND BEARING PARTITIONS: ANY WOOD STUD MAY BE CUT OR NOTCHED TO A DEPTH NOT EXCEEDING 25 PERCENT OF ITS WIDTH. CUTTING OR NOTCHING OF STUDS TO A DEPTH NOT GREATER THAN 40 PERCENT OF THE WIDTH OF THE STUD IS PERMITTED IN NONBEARING PARTITIONS SUPPORTING NO LOADS OTHER THAN THE WEIGHT OF THE PARTITION.
9. JOISTS, BEAMS AND GIRDERS: USE LONGEST PRACTICABLE LENGTHS, PLACE WITH CROWN SIDE UP. WHERE MEMBERS CANTILEVER, PLACE CROWN SIDE DOWN.
10. BORED HOLES: A HOLE NOT GREATER IN DIAMETER THAN 40 PERCENT OF THE STUD WIDTH MAY BE BORED IN ANY WOOD STUD. BORED HOLES NOT GREATER THAN 60 PERCENT OF THE WIDTH OF THE STUD ARE PERMITTED IN NONBEARING PARTITIONS OR IN ANY WALL WHERE EACH STUD IS DOUBLED, PROVIDED NOT MORE THAN TWO SUCH SUCCESSIVE DOUBLE STUDS ARE SO BORED.
    IN NO CASE SHALL THE EDGE OF THE BORED HOLE BE NEARER THAN 5/8 INCH TO THE EDGE OF THE STUD. BORED HOLES SHALL NOT BE LOCATED AT THE SAME SECTION OF THE STUD AS A CUT OR NOTCH.
11. ROUGH WINDOW SILLS OVER 8 FEET IN LENGTH SHALL BE DOUBLED.
12. BLOCKING TO BE PROVIDED AT ALL HANDRAILS.
13. ALL BOLTS SHALL BE RE-TIGHTENED PRIOR TO THE APPLICATION OF SHEATHING, PLASTER, ETC.
14. SHEAR WALL NAILING ON PLANS SUPERSEDE THE MINIMUM REQUIREMENTS SHOWN ON THE NAILING SCHEDULE, ON THE DRAWINGS.

FIREBLOCKS AND DRAFT STOPS

1. FIREBLOCKING SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS:
   A. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT THE CEILING AND FLOOR LEVELS AND AT 10-FOOT INTERVALS ALONG THE LENGTH OF THE WALL.
   B. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS AND COVE CEILINGS;
   C. 3. IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES AND SIMILAR OPENINGS WHICH AFFORD A PASSAGE FOR FIRE AT CEILING AND FLOOR LEVELS, WITH NON-COMBUSTIBLE MATERIALS.
2. FIRE BLOCKING SHALL CONSIST OF 2 INCHES NOMINAL LUMBER OR TWO THICKNESSES OF 1-INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS OR ONE THICKNESS OF 23/32-INCH PLYWOOD WITH JOINTS BACKED BY 23/32 - INCH PLYWOOD.
3. FIREBLOCKS MAY ALSO BE OF GYPSUM BOARD, GLASS FIBER, MINERAL FIBER OR OTHER APPROVED MATERIALS SECURELY FASTENED IN PLACE.
4. DRAFT STOP CONSTRUCTION. DRAFT STOPPING MATERIALS SHALL BE NOT LESS THAN 1/2-INCH GYPSUM BOARD, 3/8-INCH PLYWOOD OR OTHER APPROVED MATERIALS ADEQUATELY SUPPORTED.

DIVISION 7

THERMAL & MOISTURE PROTECTION

BITUMINOUS DAMPPROOFING

1. BITUMINOUS DAMPPROOFING SHALL BE INSTALLED TO PREPARED SURFACES BY SKILLED AND QUALIFIED MECHANICS AND SHALL CONFORM TO THE FOLLOWING:
   MATERIALS
   A. ASPHALT PRIMER: CONFORM TO ASTM D41.
   B. ASPHALT EMULSION: CONFORM TO ASTM D1187, FLINTKOTE C-13 OR APPROVED EQUAL.
   C. GLASS CLOTH: CONFORM TO FS HH-C-466B, FLINTKOTE "YELLOW JACKET" OR APPROVED EQUAL.
   D. PROTECTION COURSE: CONFORM TO FS HH-I-526C, FLINTKOTE "FLINTGLAS" OR MINIMUM 3/8" THICK GYPSUM BOARD.
2. SUMMARY OF MATERIALS PER 100 SQUARE FEET :
   ASPHALT EMULSION PRIMER (1-1/2 GALLONS)..... 15 LBS.
   FIRST COURSE C-13-E (3 GALLONS)..... 30 LBS.
   SECOND COURSE GLASS FABRIC..... 1 LB.
   THIRD COURSE C-13-E..... 30 LBS.
   FOURTH COURSE C-13-E (3 GALLONS)..... 30 LBS.
   APPROXIMATE TOTAL WEIGHT (WET)..... 106 LBS.

EXTERIOR WALL COVERINGS:

1. PROVIDE ONE (1) LAYER 15 POUND ASPHALT SATURATED FELT MINIMUM UNDER ALL EXTERIOR FINISHES.
2. ALL INSULATING STUCCO SYSTEMS MUST BE UL APPROVED AND INSTALLED BY MANUFACTURER APPROVED APPLICATORS IN ACCORDANCE WITH ICBO REPORT.
3. ALL EXTERIOR MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE 2003 INTERNATIONAL BUILDING CODE, APPLICABLE EDITION, STATE AND LOCAL CODES.

INSULATION

1. BUILDER AND INSULATION INSTALLER ARE TO PROVIDE A CERTIFICATE OF INSULATION AND POST IN THE BUILDING IN A CONSPICUOUS LOCATION.
2. INSULATE EXTERIOR WALLS AND ROOF AS FOLLOWS:
   A. EXTERIOR WALLS: TYPE I BATT INSULATION R-11 MINIMUM
   B. ROOF: TYPE II BATT INSULATION R-30 MINIMUM
3. INSULATION WILL COMPLY WITH ASTM C 665
   A. MINERAL FIBER TYPE: FIBERS MANUFACTURED FROM GLASS, SLAG WOOL OR ROCK WOOL.
   B. SURFACE BURNING CHARACTERISTICS: MAXIMUM FLAME SPREAD AND SMOKE DEVELOPED INDICES OF 25 AND 50 RESPECTIVELY.
4. APPLY INSULATION UNITS TO SUBSTRATE BY METHOD INDICATED AND COMPLYING WITH MANUFACTURERS WRITTEN INSTRUCTIONS.

BUILT-UP ROOFING

1. ROOFING SYSTEM SHALL BE A UL CLASS "A" 4-PLY ON NAILABLE DECK. ONE PLY OF BASE SHEET WITH 2 INTER-PLY SHEETS AND A MINERAL CAP SHEET.
2. PROVIDE LABELED CLASS 1 ROOFING SYSTEM WHICH HAS BEEN TESTED AND LISTED BY FACTORY MUTUAL OR OTHER APPROVED TESTING AGENCY FOR THE APPLICATION INDICATED. PROVIDE A MINIMUM I-90 SYSTEM.
3. PROVIDE MATERIALS FOR THE ROOFING SYSTEM AS FOLLOWS:
   A. FIBERGLASS BASE SHEET CONFORMING TO ASTM D4601, TYPE II, UL TYPE G2 BUR.
   B. INTER-PLY SHEETS CONFORMING TO ASTM D2178, TYPE IV.
   C. MINERAL SURFACED CAP SHEET CONFORMING TO ASTM D3909 WITH WHITE GRANULE SURFACE.
   D. FLASHING SHEET SHALL BE MODIFIED BITUMEN FOR TORCH OR HOT MOP APPLICATION WITH NON-WOVEN POLYESTER MAT OR FIBERGLASS SCRIMMAT BONDED TOGRTHER.
      1. PROVIDE 1/2" MINIMUM THICKNESS FOR TORCH APPLIED FLASHING SHEET OR 0.160 MINIMUM THICKNESS FOR HOT MOP APPLICATION.
   E. ASPHALT PRIMER CONFORMING TO ASTM D41.
   F. ASPHALT CONFORMING TO ASTM D312, TYPE IV.
   G. PLASTIC ROOF CEMENT COMPLYING WITH ASTM D4586, TYPE II, ASBESTOS-FREE.
4. PREPARE ROOF DECK IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS, AND THE FOLLOWING:
   A. MAKE SUBSURFACES FREE FROM MATERIAL PROJECTIONS, DUST, LOOSE AND FOREIGN MATERIALS.
   B. SURFACE MUST BE DRY PRIOR TO COMMENCEMENT OF ROOFING OPERATIONS.
   C. METAL SURFACES SHALL BE SMOOTH AND FREE OF SHARP EDGES AND ROUGH WELDMENTS AND SHALL BE FREE OF MOISTURE, RUST, DIRT AND OTHER FOREIGN MATERIALS.
5. DO NOT HEAT ASPHALT ABOVE THE MANUFACTURER'S RECOMMENDED MAXIMUM LIMIT AND THE FOLLOWING RESTRAINTS:
   A. IT SHALL NOT BE HEATED TO OR ABOVE THE ACTUAL COC FLASH POINT. (ANSI/ASTSM METHOD 92, TEST FOR FLASH AND FIRE POINTS BY CLEVELAND OPEN CUP.)
   B. IT SHALL NOT BE HEATED AND HELD ABOVE THE FINISHED BLOWING TEMPERATURE (FBT) FOR MORE THAN FOUR HOURS.
6. INTERPLY MOPPINGS OF ASPHALT SHALL BE CONTINUOUS AND APPLIED AT THE RATE RECOMMENDED BY THE ROOFING MEMBRANE MANUFACTURER. ASPHALT SHALL BE APPLIED AT THE EVT (EQUIVISCOS TEMPERATURE) PLUS OR MINUS 25 DEGREES F.
7. MEMBRANE PLIES SHALL BE INSTALLED IN ACCORDANCE WITH RECOMMENDATIONS OF THE MEMBRANE MATERIALS MANUFACTURER. ALL BUILT-UP ROOFING MEMBRANE SHALL BE ENVELOPED AT ALL PENETRATIONS AND HORIZONTAL MEMBRANE TERMINATIONS.
8. BROOM FELTS PROMPTLY TO ELIMINATE AIR POCKETS AND WRINKLES TO INSURE PROPER ADHESION. FELTS SHOULD BE SMOOTH AND FREE FROM FISHMOUTHS, TEARS OR LAP JOINTS.
9. VALLEY WATERWAYS SHALL RECIEVE ONE ADDITIONAL PLY OF TYPE IV FIBERGLASS FELT, SET INTO HOT ASPHALT, WHICH SHALL BE AT LEAST 36 INCHES WIDE; THIS PLY SHALL BE LAID ON TOP OF FINISHED PLIES FOR INSPECTION PURPOSES.
10. ALL CURBS SHALL BE OF SUFFICIENT HEIGHT TO PROVIDE A MINIMUM OF 8 INCH EXPOSURE ABOVE THE SURFACE OF THE DECK.
11. ALL PENETRATIONS INCLUDING VENT PIPE, CONDUIT AND PIPE PENETRATIONS SHALL BE FLASHED WITH LEAD PIPE FLASHINGS AND COUNTERFLASHED USING STAINLESS STEEL CINCH BANDS AND SEALED WITH URETHANE SEALANT. FLASHINGS SHALL BE SET INTO ASPHALT-PLASTIC ROOF CEMENT.
12. ALL FLANGES SHALL BE FLASHED TO THE ROOF WITH TWO (2) PLIES OF FIBER-GLASS FELTS EMBEDDED INTO HOT ASPHALT. THE FIRST PLY SHALL EXTEND A MINIMUM OF 3" BEYOND THE FLANGE ONTO THE ROOF. THE SECOND PLY SHALL EXTEND A MINIMUM OF 3 INCHES FURTHER ONTO THE ROOF THAN THE FIRST PLY.
13. PRIME CONCRETE OR METAL SURFACES WITH ASPHALTIC PRIMER APPLIED AT A NOMINAL RATE OF ONE GALLON PER 100 SQUARE FEET, 24 HOURS BEFORE THE APPLICATION OF THE BASE FLASHINGS.
14. ROOF DRAINS
   A. DRAIN RINGS SHALL BE REMOVED PRIOR TO BUILT-UP ROOFING APPLICATION.
   B. THE FOUR POUND LEAD FLASHING SHALL BE SET INTO A SOLID COATING OF PLASTIC ROOF CEMENT OVER THE INSTALLED ROOFING PLIES. INSTALL TWO STRIPPING PLIES OF FIBERGLASS FELT OVER THE INSTALLED LEAD FLASHING. STRIPPING PLIES SHALL EXTEND 3" AND 6" PAST THE EDGE OF THE LEAD FLASHING SHEET AND REMAIN IN THE SUMP AREA. ALL PLIES INCLUDING THE LEAD FLASHING AND FIELD PLIES MUST EXTEND INTO THE DRAIN AND UNDER THE CLAMPING RING.
   C. THE DRAIN RING SHALL BE SET IN FLASHING GRADE ROOF CEMENT AND TIGHTENED. GUARD SCREEN SHALL BE INSTALLED OVER DRAINS.
   D. AFTER COMPLETE INSTALLATION OF THE ROOFING SYSTEM, CONTRACTOR SHALL INSPECT AND TEST ALL ROOF DRAINS TO ASSURE THAT NO CLOGGING OF THE DRAINAGE SYSTEM IS PRESENT. THE FULL DIAMETER OF THE ROOF DRAIN LEADER MUST REMAIN CLEAR.
15. PROVIDE A THREE-PLY FIBERGLASS BASE FLASHING ASSEMBLY AT ALL VERTICAL WALLS, CURBS AND PARAPETS.
16. SEAL THE TOP EDGE OF ALL BASE FLASHINGS INSIDE AND OUTSIDE CORNERS AND VERTICAL LAPS WITH A 4" WIDE WOVEN FIBERGLASS FLASHING FABRIC EMBEDDED INTO AND COVERED OVER WITH FLASHING GRADE ROOF CEMENT, BRINGING THE ROOF CEMENT TO A FEATHERED EDGE.
17. FASTEN THE TOP EDGE APPROXIMATELY 8 INCHES ON CENTER, OR PER THE MANUFACTURER'S REQUIREMENTS.

SHEET METAL FLASHING AND TRIM

1. COMPLY WITH THE FOLLOWING REGULATORY REQUIREMENTS:
   A. FABRICATION AND INSTALLATION RECOMMENDATIONS OF SMACNA, ARCHITECTURAL SHEET METAL MANUAL, CURRENT EDITION.
   B. FABRICATION AND INSTALLATION RECOMMENDATIONS OF NCRA, ROOFING AND WATERPROOFING MANUAL, CURRENT EDITION.
2. PROVIDE ZINC COATED STEEL FLASHING AND TRIM MATERIALS OF COMMERCIAL QUALITY WITH 0.20 PERCENT COPPER, ASTM A526 (EXCEPT ASTM A527 FOR LOCK FORMING), G90 HOT DIP GALVANIZED, MILL PHOSPHATIZED WHERE INDICATED FOR PAINTING; 20 GAUGE EXCEPT AS OTHERWISE INDICATED.
   A. COPINGS: 22 GAUGE
   B. BASE AND COUNTER FLASHING: 26 GAUGE
   C. FLASHINGS: 26 GAUGE.
3. FASTENERS SHALL BE OF THE SAME MATERIAL OR COMPATIBLE WITH SHEET METAL BEING FASTENED.
4. MASTIC SHALL CONFORM TO

GENERAL NOTES (CONT'D)

DIVISION 9
FINISHES

PORTLAND CEMENT PLASTER

1. ALL WORK TO CONFROM TO CHAPTER 25 OF IBC 2003
2. PERFORM WORK IN ACCORDANCE WITH PCA PLASTER (STUCCO) MANUAL.
3. DO NOT APPLY PLASTER WHEN SUBSTRATE OR AMBIENT TEMPERATURE IS LESS THAN 50 DEGREES F. NOR MORE THAN 80 DEGREES F.
4. CEMENT SHALL COMPLY WITH ASTM C150, TYPE I OR V PORTLAND.
5. LIME SHALL COMPLY WITH ASTM C206, TYPE S OR SPECIAL HYDRATED LIME FOR MASONRY PURPOSES, ASTM C207, TYPE S.
6. AGGREGATE SHALL COMPLY WITH ASTM C897.
7. PROVIDE BONDING AGENT RECOMMENDED FOR BONDING PLASTER TO PLYWOOD SHEATHING SURFACES AND CONFORMING TO ASTM C 932.
8. FINISH AGGREGATE SHALL BE WHITE COLORED NATURAL SAND, GRADED TO NO. NTMA 1 SIZE CHIP.
9. LATHING SHALL CONFORM TO THE FOLLOWING:
   A. 3.4 lb. DIAMOND MESH AT VERTICAL SURFACES.
   B. 3.4 lb., 3/8" RIB LATH AT HORIZONTAL SURFACES.
   C. OR AS RECOMMENDED BY MANUFACTURER.
10. CASING BEAD SHALL BE FORMED ZINC, MINIMUM 26 GAUGE THICK, DEPTH GOVERNED BY PLASTER THICKNESS, MAXIMUM POSSIBLE LENGTHS, EXPANDED METAL FLANGES, WITH SQUARE EDGES.
11. CORNER BEAD SHALL BE FORMED ZINC, 26 GAUGE, DEPTH GOVERNED BY PLASTER THICKNESS, MAXIMUM POSSIBLE LENGTHS, EXPANDED METAL FLANGES, WITH BULLNOSED EDGES.
12. CONTROL JOINT ACCESSORIES SHALL BE FORMED ZINC, 26 GAUGE, ACCORDION PROFILE, 2 INCH EXPANDED METAL FLANGES, GALVANIZED FINISH.
13. ANCHORAGE SHALL BE BY NAILS, STAPLES OR OTHER APPROVED METAL SUPPORTS OF TYPE AND SIZE TO SUIT APPLICATION, GALVANIZED TO RIGIDLY SECURE LATH AND ASSOCIATED METAL ACCESSORIES IN PLACE.
14. MIX AND PROPORTION CEMENT PLASTER IN ACCORDANCE WITH ASTM C926, TYPE C.
15. SCRATCH AND BROWN COATS SHALL CONSIST OF: ONE PART CEMENT, MINIMUM 1-1/2 AND MAXIMUM OF 4 PARTS AGGREGATE AND MINIMUM 15 PERCENT AND MAXIMUM 25 PERCENT HYDRATED LIME.
16. FINISH COAT SHALL CONSIST OF ONE PART CEMENT, MINIMUM 1-1/2 AND MAXIMUM 3 PARTS AGGREGATE.
17. ADD COLOR PIGMENTS TO FINISH COAT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ENSURE UNIFORMITY OF MIX AND COLORATION.
18. APPLY ONE PLY OF FELT UNDERLAYMENT OVER SUBSTRATE, WEATHER LAP EDGES 4 INCHES MINIMUM. FASTEN IN PLACE.
19. LAP ENDS MINIMUM 1 INCH. SECURE END LAPS WITH TIE WIRE WHERE THEY OCCUR BETWEEN SUPPORTS.
20. LAP SIDES OF DIAMOND MESH LATH MINIMUM OF 1-1/2 INCHES.
21. CONTINUOUSLY REINFORCE INTERNAL ANGLES WITH CORNER MESH. RETURN METAL LATH 3 INCHES FROM CORNER TO FORM THE ANGLE REINFORCEMENT. FASTEN AT PERIMETER EDGES ONLY.
22. PLACE CORNER BEAD AT EXTERNAL WALL CORNERS. FASTEN AT OUTER EDGES OF LATH ONLY.
23. PLACE STRIP MESH DIAGONALL AT CORNERS OF LATHED OPENINGS. SECURE RIGIDLY IN PLACE.
24. PLACE 4 INCH WIDE STRIPS OF METAL LATH CENTERED OVER JUNCTIONS OF DISSIMILAR BACKING MATERIALS. SECURE RIGIDLY IN PLACE.
25. PLACE CASING BEADS AT TERMINATIONS OF PLASTER FINISH. BUTT AND ALIGN ENDS. SECURE RIGIDLY IN PLACE.
26. APPLY PLASTER IN ACCORDANCE WITH ASTM C926.
27. APPLY SCRATCH COAT TO A NOMINAL THICKNESS OF 3/8 INCH. BROWN COAT TO A NOMINAL THICKNESS OF 3/4 INCH AND A FINISH COAT TO A NOMINAL THICKNESS OF 7/8 INCH OVER SELF-FURRING REINFORCEMENT AND PLYWOOD SURFACES.
28. APPLY BROWN COAT IMMEDIATELY FOLLOWING INITAL SET OF SCRATCH COAT.
29. AFTER CURING DAMPEN BASE COAT PRIOR TO APPLYING FINISH COAT.
30. APPLY FINISH COAT AND STEEL TROWEL TO A SMOOTH AND CONSISTENT FINISH.
31. AVOID EXCESSIVE WORKING OF SURFACE. DELAY TROWELING AS LONG AS POSSIBLE TO AVOID DRAWING EXCESS FINES TO SURFACE.
32. MOIST CURE FINISH COAT FOR MINIMUM PERIOD OF 48 HOURS.

GYPSUM DRYWALL SYSTEMS

1. COMPLY WITH APPLICABLE REQUIREMENTS OF GA-216 "APPLICATION AND FINISHING OF GYPSUM BOARD" BY THE GYPSUM ASSOCIATION, EXCEPT WHERE MORE DETAILED OR MORE STRINGENT REQUIREMENTS ARE INDICATED INCLUDING THE RECOMMENDATIONS OF THE MANUFACTURER.
2. EXPOSED GYPSUM BOARD SHALL COMPLY WITH ASTM C36, TO INCLUDE WORK INDICATED FOR PAINTED FINISH AND SIMILAR FORMS OF DECORATION AS WELL AS UNFINISHED WORK.
3. ALL GYPSUM BOARD SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
   A. TYPE "X"
   B. 5/8" THICK
   C. 4'-0" WIDE x 8'-0" OR LONGER TO MINIMIZE THE NUMBER OF END BUTT JOINTS.
   D. STANDARD TAPER PROFILE
4. PROVIDE MANUFACTURERS STANDARD TRIM ACCESSORIES OF TYPE INDICATED FOR DRYWALL WORK, FORMED OF GALVANIZED STEEL UNLESS OTHERWISE INDICATED, WITH EITHER KNURLED OR PERFORATED OR EXPANDED FLANGES FOR NAILING OR STAPLING, AND BEADED FOR CONCEALMENT OF FLANGES IN JOINT COMPOUND. PROVIDE CORNER BEADS, L-TYPE EDGE TRIM BEADS, U-TYPE TRIM BEADS, SPECIAL L-KERF TYPE EDGE TRIM BEADS AND ONE-PIECE CONTROL JOINT BEADS.
5. GYPSUM BOARD FASTENERS SHALL COMPLY WITH GA-216 AND WITH GYPSUM BOARD MANUFACTURERS RECOMMENDATIONS. CHOICE OF FASTENER IS CONTRACTOR'S OPTION WHEN MORE THAN ONE TYPE OF FASTENER IS RECOMMENDED FOR THE APPLICATION INDICATED.
6. VERIFY SUPPLEMENTARY FRAMING, BLOCKING AND BRACING FOR SUPPORT OF FIXTURES, EQUIPMENT, ETC. IS IN PLACE PRIOR TO INSTALLATION OF DRYWALL SYSTEMS.
7. ISOLATE NON BEARING STUD SYSTEM FROM TRANSFER OF STRUCTURAL LOADING TO SYSTEM, BOTH HORIZONTALLY AND VERTICALLY. PROVIDE SLIP OR CUSHIONED TYPE JOINTS TO ATTAIN LATERAL SUPPORT AND AVOID AXIAL LOADING.
8. LOCATE EXPOSED END-BUTT JOINTS AS FAR FROM CENTER OF WALL AND CEILING AS POSSIBLE, AND STAGGER NOT LESS THAN 1'-0" IN ALTERNATE COURSES OF BOARD.
9. INSTALL EXPOSED GYPSUM BOARD WITH FACE SIDE OUT. BUTT BOARDS TOGETHER FOR A LIGHT CONTACT AT EDGES AND ENDS WITH NOT MORE THAN 1/16 INCH OPEN SPACE BETWEEN BOARDS. DO NOT FORCE INTO PLACE.
10. DO NOT INSTALL IMPERFECT, DAMAGED OR DAMP BOARDS.
11. LOCATE EITHER EDGE OF END JOINTS OVER SUPPORTS, EXCEPT IN HORIZONTAL APPLICATIONS OR WHERE INTERMEDIATE SUPPORTS OR GYPSUM BOARD BACKING IS PROVIDED BEHIND END JOINTS. POSITION BOARDS SO THAT BOTH TAPERED EDGE JOINTS ABUT, AND MILL-CUT OR FIELD-CUT END JOINTS ABUT. DO NOT PLACE TAPERED EDGES AGAINST CUT EDGES OR ENDS. STAGGER VERTICAL JOINTS OVER DIFFERENT STUDS ON OPPOSITE SIDES OF PARTITIONS.
12. ATTACH GYPSUM BOARD TO FRAMING AND BLOCKING AS REQUIRED FOR ADDITIONAL SUPPORT AT OPENINGS AND CUTOUTS.
13. AFTER SCORING FACE PAPER AND BREAKING CORE CUT BACK PAPER. DO NOT TEAR OR SNAP.
14. DO NOT LOCATE JOINTS WITHIN 8 INCHES OF CORNERS OR OPENINGS, EXCEPT WHERE CONTROL JOINTS ARE SHOWN AT JAMB LINES OR WHERE OPENINGS OCCUR ADJACENT TO CORNERS IN THE PARTITION LAYOUT. WHERE NECESSARY PLACE A SINGLE VERTICAL JOINT OVER THE CENTER OF WIDE OPENINGS.
15. PROVIDE PERIMETER ISOLATION WHERE NON LOAD-BEARING PARTITIONS ABUT STRUCTURAL DECKS OR CEILINGS, OR VERTICAL STRUCTURAL ELEMENTS. ALLOW NOT LESS THAN 1/4" NOR MORE THAN 1/2" GAP BETWEEN GYPSUM AND STRUCTURE. FINISH EDGES OF FACE LAYER WITH J-TYPE (SEMI-FINISHING) CASING BEAD. ATTACH GYPSUM BOARD TO STUDS NOT LESS THAN 1/2" BELOW BOTTOM OF CEILING TRACK FLANGES AND TO FIRST STUD ADJACENT TO VERTICAL TRACKS. DO NOT ATTACH BOARD DIRECTLY TO TRACKS.
16. INSTALL METAL CORNER BEADS AT EXTERNAL CORNERS OF DRYWALL WORK.
17. INSTALL METAL EDGE TRIM WHEREVER EDGE OF GYPSUM BOARD WOULD OTHERWISE BE EXPOSED OR SEMI-EXPOSED.
18. INSTALL L-TYPE TRIM BEADS (FOR JOINT COMPOUND) WHERE EDGE IS SHOWN TO BE TIGHTLY FITTED TO ABUTTING WORK (WITHOUT REVEAL OR SEALANT POCKET).
19. INSTALL U-TYPE TRIM BEADS (FOR JOINT COMPOUND) WHERE EDGE IS NOT TIGHTLY FITTED TO ABUTTING WORK (EXPOSED, REVEALED, SEALANT POCKET, GASKETED OR OTHER SEPARATION), EXCEPT AS OTHERWISE INDICATED.
20. SEAL ALL JOINTS USING TAPE AND JOINT COMPOUND.
21. APPLY NO LESS THAN 2 COATS OF TOPPING COMPOUND, SANDING EACH COAT.
22. APPLY NO LESS THAN 1 TOUCH-UP COAT OF TOPPING COMPOUND.
23. APPLY HEAVY KNOCK-DOWN TEXTURE TO ALL GYPSUM BOARD NOT RECEIVING CERAMIC TILE OR SIMILAR FINISHES.

CERAMIC TILE

1. COLORS, TEXTURES, AND PATTERNS: WHERE MANUFACTURER'S PRODUCTS ARE INDICATED FOR TILE, GROUT, MATCH COLOR, TEXTURE, AND PATTERN INDICATED BY REFERENCE TO MANUFACTURER'S DESIGNATIONS FOR CHARACTERISTICS. PROVIDE TILE TRIM AND ACCESSORIES MATCHING COLOR AND FINISH OF ADJOINING FLAT TILE.
2. FACTORY BLENDING: FOR TILE EXHIBITING COLOR VARIATIONS WITHIN RANGES SELECTED DURING SAMPLE SUBMITTALS, BLEND TILE IN FACTORY AND PACKAGE SO TILE UNITS MATCH UNITS IN ALL PACKAGES AND APPROVED SAMPLES.
3. GLAZED WALL TILE: PROVIDE FLAT TILE.
   A. NOMINAL FACIAL DIMENSIONS: 4-1/4" X 4-1/4".
   B. NOMINAL THICKNESS: 5/16 INCH.
   C. FACE: PLAIN WITH MODIFIED SQUARE EDGE OR CUSHION EDGE.
4. TRIM UNITS: UNITS MATCHING CHARACTERISTICS OF ADJOINING FLAT TILE AND TO COMPLY WITH FOLLOWING REQUIREMENTS:
   A. SIZE AS INDICATED, COORDINATED WITH SIZES AND COURSING OF ADJOINING FLAT TILE WHERE APPLICABLE.
   B. SHAPES SELECTED FROM MANUFACTURER'S STANDARD SHAPES:
      1. BASE FOR THINSET MORTAR INSTALLATIONS: FLAT, BULLNOSE TOP.
         EXTERNAL CORNERS FOR THINSET INSTALLATIONS: SURFACE BULLNOSE.
         INTERNAL CORNERS: FIELD BUTTED SQUARE CORNERS, EXCEPT USE COVED BASE AND CAP ANGLE PIECES DESIGNED TO MEMBER WITH STRETCHER SHAPES.
5. LATEX PORTLAND CEMENT MORTAR: ANSI A118.4, LATICRETE 4237 LATEX THINSET WITH 211 CRETE FILLER POWDER.
6. LATEX PORTLAND CEMENT GROUT: ANSI A118.6, PROVIDE LATICRETE GROUT POWDER, COLOR AS INDICATED.
7. DRY GROUT MIXTURE:
   A. COMMERCIAL PORTLAND CEMENT SPECIFIED OR SUPPLIED BY LATEX ADDITIVE MANUFR. APPLICATION: USE COMMERCIAL PORTLAND CEMENT GROUT COMBINED WITH LATEX ADDITIVE FOR GROUTING JOINTS IN FLOOR TILE UNLESS OTHERWISE INDICATED.
8. MIX MORTARS AND GROUTS TO COMPLY WITH REQUIREMENTS OF REFERENCED STANDARDS AND MANUFACTURERS INCLUDING THOSE FOR ACCURATE PROPORTIONING OF MATERIALS, WATER, OR ADDITIVE CONTENT; TYPE OF MIXING EQUIPMENT, SELECTION OF MIXER SPEEDS, MIXING CONTAINERS, MIXING TIME, AND OTHER PROCEDURES NEEDED TO PRODUCE MORTARS AND GROUTS OF UNIFORM QUALITY WITH OPTIMUM PERFORMANCE CHARACTERISTICS FOR APPLICATION INDICATED.
9. COMPLY WITH PARTS OF ANSI 108 SERIES OF TILE INSTALLATION STANDARDS INCLUDED UNDER AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR THE INSTALLATION OF CERAMIC TILE APPLICABLE TO MATERIALS AND METHODS INDICATED.
10. COMPLY WITH TCA INSTALLATION METHODS INDICATED.
11. GROUT TILE TO COMPLY WITH ANSI A108.10 FOR CERAMIC TILE GROUTS (SAND/PORTLAND CEMENT, DRY SET, COMMERCIAL PORTLAND CEMENT, AND LATEX PORTLAND CEMENT GROUTS).
12. INSTALL FLOOR TILE TO COMPLY WITH TCA INSTALLATION METHOD W244.
13. LATEX PORTLAND CEMENT MORTAR SHALL COMPLY WITH ANSI A118.4
14. GROUT SHALL BE LATEX PORTLAND CEMENT COMPLYING WITH ANSI A118.6
15. USE BULLNOSE EDGES OR A-CAPS WHERE EDGE OF TILE MEETS OTHER FINISHES WHICH ARE NOT FLUSH WITH THE TILE.
16. LEAVE FINISHED INSTALLATION CLEAN AND FREE OF CRACKED, CHIPPED, BROKEN, UNBONDED, AND OTHERWISE DEFECTIVE TILE WORK.
17. APPLY SEALER TO ALL GROUT. USE SEALER COLOR WHICH MATCHES GROUT COLOR.

SUSPENDED ACOUSTIC CEILINGS

1. MANUFACTURER'S INSTALLATION INSTRUCTIONS: INDICATE SPECIAL PROCEDURES, PERIMETER CONDITIONS REQUIRING SPECIAL ATTENTION.
2. CONFORM TO APPLICABLE CODE FOR COMBUSTIBILITY REQUIREMENTS FOR MATERIALS.
3. MAINTAIN UNIFORM MINIMUM TEMPERATURE OF 60°F, AND MAXIMUM HUMIDITY OF 40% PRIOR TO, DURING, AND AFTER ACOUSTIC UNIT INSTALLATION.
4. SEQUENCE WORK TO ENSURE ACOUSTIC CEILINGS ARE NOT INSTALLED UNTIL BUILDING IS ENCLOSED, SUFFICIENT HEAT IS PROVIDED, DUST GENERATING ACTIVITIES HAVE TERMINATED, AND OVERHEAD WORK IS COMPLETED, TESTED, AND APPROVED.
5. INSTALL ACOUSTIC UNITS AFTER INTERIOR WET WORK IS DRY.
6. NON-FIRE RATED GRID: ASTM C635, INTERMEDIATE DUTY; EXPOSED "T" COMPONENTS DIE CUT AND INTERLOCKING.
7. GRID MATERIALS: COMMERCIAL QUALITY COLD ROLLED STEEL WITH GALVANIZED COATING
8. EXPOSED GRID SURFACE WIDTH: 15/16
9. GRID FINISH: COLOR AS SELECTED BY ARCHITECT
10. ACCESSORIES: AS REQUIRED FOR SUSPENDED GRID SYSTEM
11. SUPPORT CHANNELS AND HANGERS: PRIMED STEEL; SIZE AND TYPE TO SUIT APPLICATION, SEISMIC REQUIREMENTS, AND CEILING SYSTEM FLATNESS REQUIREMENT SPECIFIED.
12. ACOUSTIC PANELS: ASTM E1264, CONFORMING TO THE FOLLOWING:
    A. SIZE: 24x48 INCHES
    B. THICKNESS: 5/8 INCHES
    C. COMPOSITION: MINERAL
    D. LIGHT REFLECTANCE: MINIMUM 0.75 PERCENT
    E. NRC RANGE: 0.60 TO 0.70
    F. STC RANGE: 40 TO 44
    G. EDGE: SQUARE
    H. SURFACE COLOR: WHITE
    J. SURFACE FINISH: FACTORY-APPLIED VINYL LATEX PAINT -- WHITE
    K. PATTERN: DIRECTIONAL FISSURED
13. ACOUSTIC SEALANT FOR PERIMETER MOLDINGS: APPROVED BY ARCHITECT
14. TOUCHUP PAINT: TYPE AND COLOR TO MATCH ACOUSTIC AND GRID UNITS
15. VERIFY THAT LAYOUT OF HANGERS WILL NOT INTERFERE WITH OTHER WORK
16. INSTALL SUSPENSION SYSTEM IN ACCORDANCE WITH ASTM C636
17. INSTALL SYSTEM CAPABLE OF SUPPORTING IMPOSED LOADS TO A DEFLECTION OF L/240 MAXIMUM
18. LOCATE SYSTEM ON ROOM AXIS ACCORDING TO CONSTRUCTION DOCUMENTS
19. INSTALL AFTER MAJOR ABOVE CEILING WORK IS COMPLETE. COORDINATE THE LOCATION OF HANGERS WITH OTHER WORK.
20. HANG SUSPENSION SYSTEM INDEPENDENT OF WALLS, COLUMNS, DUCTS, PIPES AND CONDUIT. WHERE CARRYING MEMBERS ARE SPLICED, AVOID VISIBLE DISPLACEMENT OF FACE PLANE OF ADJACENT MEMBERS.
21. WHERE DUCTS OR OTHER EQUIPMENT PREVENT THE REGULAR SPACING OF HANGERS, REINFORCE THE NEAREST AFFECTED HANGERS AND RELATED CARRYING CHANNELS TO SPAN THE EXTRA DISTANCE.
22. DO NOT SUPPORT COMPONENTS ON MAIN RUNNERS OR CROSS RUNNERS IF WEIGHT CAUSES TOTAL DEAD LOAD TO EXCEED DEFLECTION CAPABILITY. SUPPORT FIXTURE LOADS BY SUPPLEMENTARY HANGERS LOCATED WITHIN 6 INCHES OF EACH CORNER; OR SUPPORT COMPONENTS INDEPENDENTLY.
23. DO NOT ECCENTRICALLY LOAD SYSTEM, OR PRODUCE ROTATION OF RUNNERS
24. PERIMETER MOLDING:
    A. INSTALL EDGE MOLDING AT INTERSECTION OF CEILING AND VERTICAL SURFACES INTO BED OF ACOUSTIC SEALANT
    B. USE LONGEST PRACTICAL LENGTHS
    C. MITER CORNERS
    D. PROVIDE AT JUNCTIONS WITH OTHER INTERRUPTIONS
25. SUPPORT FLUORESCENT LIGHTING AND OTHER FIXTURES AT TWO POINTS MINIMUM FROM STRUCTURAL ELEMENTS CAPABLE OF CARRYING THE TOTAL WEIGHT OF THE FIXTURE. FIXTURES SHALL BE SUPPORTED AT TWO POINTS ON ALTERNATE CORNERS WITH #12 AWG SUSPENSION WIRES TO STRUCTURE ABOVE IN ADDITION TO SUPPORT FROM CEILING GRID.
25. INSTALL PROTECTION OVER LIGHT IN ACCORDANCE WITH U.L. ASSEMBLY REQUIREMENTS.
26. TOLERANCES:
    A. MAXIMUM VARIATION FROM FLAT AND LEVEL SURFACE: ⅛ INCH IN 10 FEET.
    B. MAXIMUM VARIATION FROM PLUMB OF GRID MEMBERS CAUSED BY ECCENTRIC LOADS: 2°

RESILIENT FLOORING

1. CONFORM TO APPLICABLE CODE FOR FLAME/FUEL/SMOKE RATING REQUIREMENTS IN ACCORDANCE WITH ASTM E648
2. PROVIDE PRODUCT DATA ON SPECIFIED PRODUCTS, DESCRIBING PHYSICAL AND PERFORMANCE CHARACTERISTICS, SIZES, PATTERNS AND COLORS AVAILABLE
3. STORE MATERIALS FOR THREE DAYS PRIOR TO INSTALLATION IN AREA OF INSTALLATION TO ACHIEVE TEMPERATURE STABILITY
4. MAINTAIN AMBIENT TEMPERATURE REQUIRED BY ADHESIVE MANUFACTURER THREE DAYS PRIOR TO, DURING, AND 24 HOURS AFTER INSTALLATION OF MATERIALS
5. VINYL COMPOSITION TILE: SEE PLANS
6. SUBFLOOR FILLER: WHITE PREMIX LATEX; TYPE RECOMMENDED BY FLOORING MATERIAL MANUFACTURER
7. PRIMERS AND ADHESIVES: WATERPROOF; TYPES RECOMMENDED BY FLOORING MANUFACTURER
8. TILE AND CARPET JOINER: SEE PLANS
9. TILE REDUCER STRIP: VINYL-FLEXCO
10. SEALER AND WAX: TYPES RECOMMENDED BY FLOORING MANUFACTURER
11. VERIFY THAT SURFACES ARE SMOOTH AND FLAT WITH MAXIMUM VARIATION OF 1/8" IN 10 FEET, AND ARE READY TO RECEIVE WORK
12. VERIFY CONCRETE FLOORS ARE DRY TO A MAXIMUM MOISTURE CONTENT OF 7% AND EXHIBIT NEGATIVE ALKALINITY, CARBONIZATION, OR DUSTING
13. BEGINNING INSTALLATION MEANS ACCEPTANCE OF EXISTING SUBSTRATE AND SITE CONDITIONS
14. REMOVE SUBFLOOR RIDGES AND BUMPS. FILL LOW SPOTS, CRACKS, JOINTS, HOLES, AND OTHER DEFECTS WITH SUBFLOOR FILLER
15. APPLY TROWEL AND FLOAT FILLER TO LEAVE A SMOOTH, FLAT, HARD SURFACE
16. PROHIBIT TRAFFIC FROM AREA UNTIL FILLER IS CURED
17. VACUUM CLEAN SUBSTRATE
18. APPLY PRIMER TO SURFACES
19. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS
20. MIX TILE FROM CONTAINER TO ENSURE SHADE VARIATIONS ARE CONSISTENT
21. SPREAD ENOUGH ADHESIVE TO PERMIT INSTALLATION OF MATERIALS BEFORE INITIAL SET
22. SET FLOORING IN PLACE, PRESS WITH HEAVY ROLLER TO ATTAIN FULL ADHESION
23. INSTALL TILE IN SQUARE GRID PATTERN WITH ALL JOINTS ALIGNED. ALLOW MINIMUM 1/2 FULL SIZE TILE WIDTH AT ROOM AREA PERIMETER
24. TERMINATE FLOORING AT CENTERLINE OF DOOR OPENINGS WHERE ADJACENT FLOOR FINISH IS DISSIMILAR
25. INSTALL EDGE STRIPS AT UNPROTECTED OR EXPOSED EDGES, AND WHERE FLOORING TERMINATES
26. SCRIBE FLOORING TO WALLS, COLUMNS, CABINETS, FLOOR OUTLETS, AND OTHER APPURTENANCES TO PRODUCE TIGHT JOINTS

RESILIENT FLOORING (CONT'D)

27. PROHIBIT TRAFFIC ON FLOOR FINISH FOR 48 HOURS AFTER INSTALLATION
28. REMOVE EXCESS ADHESIVE FROM FLOOR, BASE, AND WALL SURFACES WITHOUT DAMAGE
29. CLEAN, SEAL AND APPLY PROTECTIVE POLISH TO THE FLOOR AND BARE SURFACES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS FOR INITIAL MAINTENANCE
30. ALL RESILIENT FLOORING SURFACES ON WHICH PEDESTRIANS CAN WALK SHALL BE FINISHED SUCH THAT THE MINIMUM STATIC COEFFICIENT OF FRICTION BETWEEN THE SURFACE AND NORMAL HARD SOLED SHOES = 0.50

PAINTING

1. ALL MATERIALS MUST COMPLY WITH LOCAL AIR POLLUTION CONTROL DISTRICT REGULATIONS AND FEDERAL LEAD CONTENT LAWS.
2. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AS TO ENVIRONMENTAL CONDITIONS UNDER WHICH COATINGS AND COATING SYSTEMS CAN BE APPLIED. DO NOT APPLY COATINGS WHEN TEMPERATURE IS BELOW 55 DEGREES F. DO NOT APPLY EXTERIOR PAINT IN DAMP OR RAINY WEATHER. ENSURE SURFACES HAVE DRIED THOROUGHLY BEFORE PROCEEDING.
3. MATERIALS SELECTED FOR COATING SYSTEMS FOR EACH TYPE OF SURFACE SHALL BE FROM A SINGLE MANUFACTURER.
4. ACCESSORY MATERIALS SUCH AS TURPENTINE, THINNER, LINSEED OIL, PUTTY AND SHELLAC SHALL BE OF THE HIGHEST QUALITY AND BY APPROVED MANUFACTURER.
5. ALL PAINTS SHALL BE READY-MIXED EXCEPT FIELD CATALYZED COATINGS.
6. ALL SURFACES TO RECEIVE PAINT SHALL BE CLEAN, DRY, SMOOTH AND DUST FREE BEFORE APPLICATION OF ANY MATERIALS. PREPARE SURFACES AS FOLLOWS:
   A. WOOD, PAINTED: SAND SMOOTH, FILL OPEN JOINTS, CRACKS, NAIL HOLES AND OTHER PITS OR DEPRESSIONS FLUSH AND SMOOTH WITH PUTTY OR WOOD DOUGH AFTER PRIMING. TOUCH UP KNOTS OR SAP STREAKS WITH APPROVED SEALER BEFORE PRIMING.
   B. PRIMED FERROUS METAL: REMOVE LOOSE AND FLAKING PAINT AND OTHER FOREIGN MATTER. TOUCH UP ABRASIONS WITH FERROUS METAL PRIMER.
   C. GALVANIZED METAL: REMOVE LOOSE AND FLAKING PAINT AND OTHER FOREIGN MATTER AND CLEAN ENTIRE SURFACE WITH MINERAL SPIRITS. PRETREAT WITH PHOSPHORIC ACID, ETCH OR VINYL WASH. APPLY PRIMER SAME DAY AS PRETREATMENT IS APPLIED.
   D. PLASTER: FILL HAIRLINE CRACKS, SMALL HOLES AND IMPERFECTIONS WITH PATCHING PLASTER. SMOOTH OFF TO MATCH ADJACENT SURFACES. WASH AND NEUTRALIZE HIGH ALKALI SURFACES WHERE THEY OCCUR.
   E. GYPSUM BOARD: REMOVE ALL FOREIGN MATTER, SAND HIGH AREAS. FILL PITS FLUSH AND SMOOTH WITH SPACKLE. FINISH PATCHED AREAS TO MATCH EXISTING TEXTURE.
   F. UNPRIMED FERROUS METAL: REMOVE ALL RUST, SCALE AND FOREIGN MATTER BY WIRE BRUSHING, SCRAPING, SANDBLASTING OR SOLVENT AS REQUIRED TO PROVIDE A CLEAN, SMOOTH SURFACE.
7. DO NOT APPLY INITIAL COATING UNTIL MOISTURE CONTENT OF SURFACE IS WITHIN LIMITATIONS RECOMMENDED BY PAINT MANUFACTURER.
8. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS FOR DRYING TIME BETWEEN SUCCEEDING COATS.
9. MAKE EDGES OF PAINT ADJOINING OTHER MATERIALS OR COLORS CLEAN AND SHARP WITH NO OVERLAPPING.
10. ALL MATERIALS SHALL BE APPLIED EVENLY WITH PROPER FILM THICKNESS AND FREE OF RUNS, SAGS, SKIPS AND OTHER DEFECTS. ENAMEL AND VARNISHES SHALL BE SANDED LIGHTLY BETWEEN COATS, DUSTED AND CLEANED BEFORE RECOATING.

DIVISION 10
NOT USED

DIVISION 11
NOT USED

DIVISION 12
NOT USED

DIVISION 13
NOT USED

DIVISION 14
NOT USED

DIVISION 15
MECHANICAL

1. REFER TO PLUMBING AND MECHANICAL DRAWINGS FOR RELATED NOTES, SPECIFICATIONS, FIXTURES, EQUIPMENT AND REQUIREMENTS PERTAINING TO THIS PROJECT.

DIVISION 16
ELECTRICAL

1. REFER TO ELECTRICAL DRAWINGS FOR RELATED NOTES, SPECIFICATIONS, FIXTURES, EQUIPMENT AND REQUIREMENTS PERTAINING TO THIS PROJECT.

Rev	Date	Description
1	10/24/2019	BLDG. DEPT. CORRECTIONS
2	11/14/2019	BLDG. DEPT. CORRECTIONS
3	03/04/2020	BLDG. DEPT. CORRECTIONS

Stamp:

STATE OF NEVADA
REGISTERED CONTRACTOR
ASSURED DEVELOPMENT INC.
LIC #85290
EXP
3/31/2021
PROFESSIONAL CONTRACTOR

Phone: (702) 868-0900
Fax: (866) 248-6564
ASSURED DEVELOPMENT
2 IDAHO WAY, HENDERSON, NEVADA 89015

CONSTRUCTION DOCUMENTS FOR:
635 WEST LAKE MEAD
COMMERCIAL BUILDING
635 WEST LAKE MEAD PARKWAY
HENDERSON, NEVADA 89015
APN # 178-13-717-006 & 008

DATE
03-04-2020

PHASE
CONST. DOCS.
SUBMITTAL

PROJECT NO.
008-19012

SHEET NO. 3
A0.02
GENERAL NOTES

EXITING ANALYSIS

TOTAL GROSS OCCUPIED TENANT SPACE AREA:

OFFICE SPACE (INTERIOR WALLS)	1,214 S.F.
MEZZANINE	420 S.F.
EQUIPMENT PLATFORM	489 S.F.
TOTAL	2,123 S.F.
*ADJUSTED PER IBC (LESS EQUIPMENT PLATFORM	-489 S.F.
TOTAL	1,634 S.F.
OCCUPANT TYPE:	B - BUSINESS
FIRE SPRINKLED:	NO
TOTAL OCCUPANTS:	11 O.C.C.

EXIT REQUIREMENTS:

EXITS REQUIRED:	01
EXITS PROVIDED:	02 OK!
EXITING WIDTH REQUIRED: (Inches)	11 OCC. X .20 = 2.2"
EXITING PROVIDE: (Inches)	(1) 3'-0" wide doors = 36"
	(1) 6'-0" wide doors = 72"
	Total exiting width = 108" OK!

TRAVEL DISTANCE:
THE LONGEST DISTANCE OF TRAVEL FROM ANY EXIT TO THE FARTHEST SPACE IN THIS TENANT IMPROVEMENT IS 89'-0", WHERE 200'-0" IS ALLOWED FOR THIS OCCUPANCY TYPE (NO SPRINKLERS)

OCCUPANCY CALCULATION

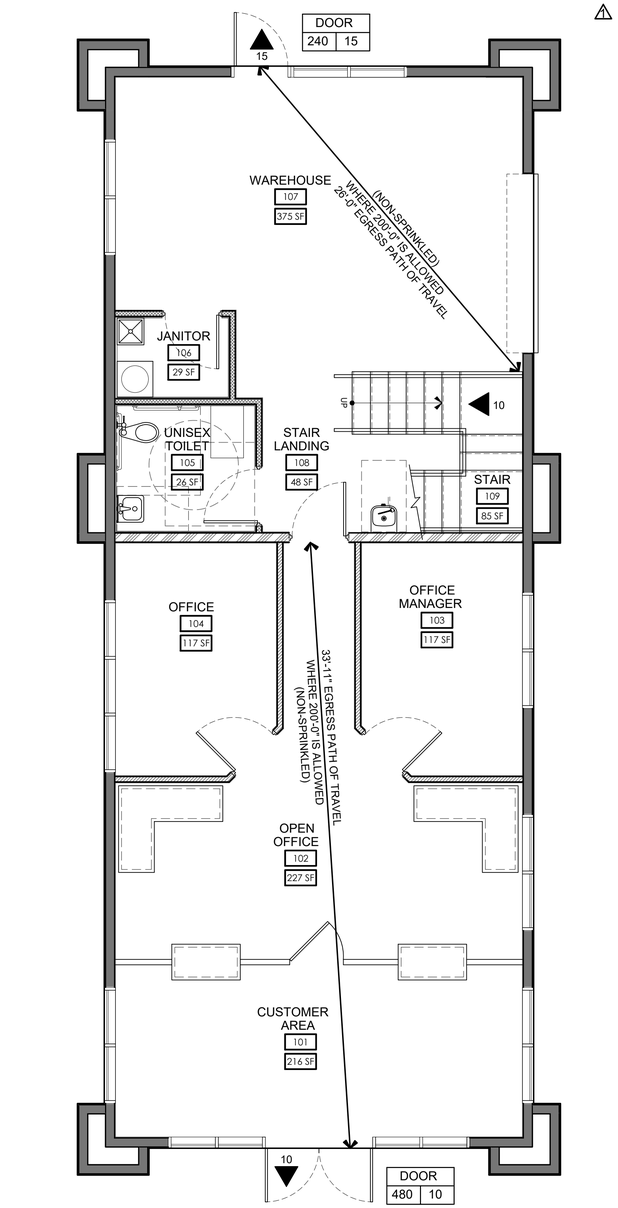
AREA NAME:	AREA S.F.	LOAD FACTOR	OCCUPANCY
OFFICE	1,214	150	8
MEZZANINE	420	150	3
TOTAL OCCUPANCY			=11 OCC.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
10 ▶	OCCUPANTS EXITING TAG

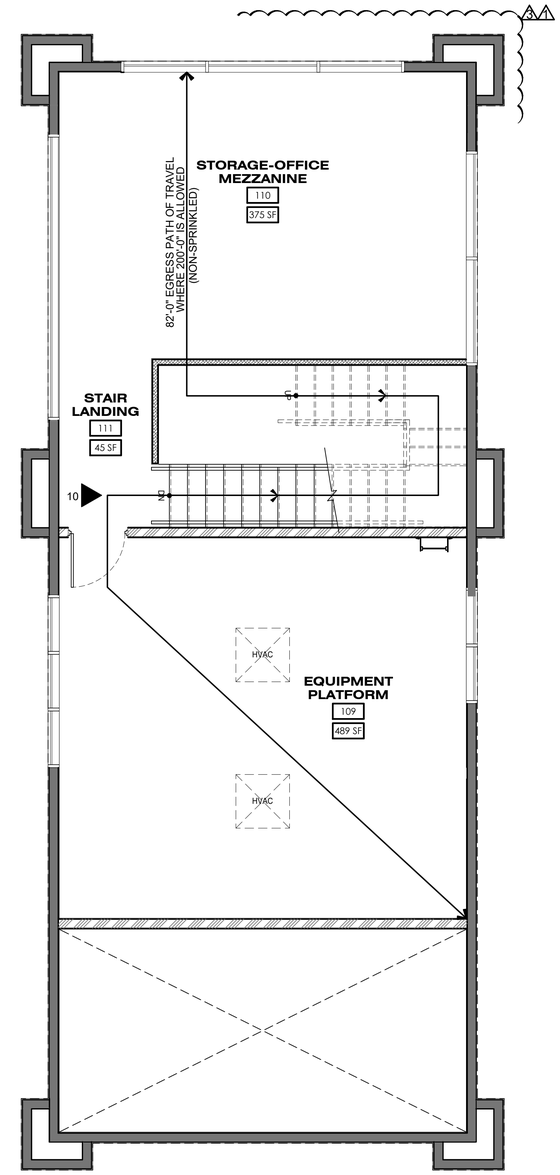
OCCUPANTS EXITING "DOORS"

DOOR		
240	25	EGRESS IDENTIFICATION
		ACTUAL EXITING OCCUPANTS
		ALLOWABLE EXITING OCCUPANTS



1 A0.03 **1ST FLOOR CODE AND EXITING PLAN**

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



1 A0.03 **2ND FLOOR CODE AND EXITING PLAN**

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

Rev	Date	Description
1	10/24/2019	BLDG. DEPT. CORRECTIONS
2	11/14/2019	BLDG. DEPT. CORRECTIONS
3	03/04/2020	BLDG. DEPT. CORRECTIONS

Stamp:
STATE OF NEVADA
B-2 GENERAL CONTRACTOR
ASSURED DEVELOPMENT INC.
LIC #85290
EXP
3/31/2021
PROFESSIONAL CONTRACTOR

Phone: (702) 868-0900
Fax: (866) 248-6564
ASSURED DEVELOPMENT
2 IDAHO WAY, HENDERSON, NEVADA 89015

CONSTRUCTION DOCUMENTS FOR:
635 WEST LAKE MEAD COMMERCIAL BUILDING
635 WEST LAKE MEAD PARKWAY
HENDERSON, NEVADA 89015
APN # 178-13-717-006 & 008

DATE
03-04-2020
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CONST. DOCS. SUBMITTAL
PROJECT NO.
008-19012
SHEET NO.
A0.03
CODE AND EXITING PLAN

PARKING CALCULATIONS

TYPE OF USE	BUILDING SIZE	PARKING REQUIRED
BUSINESS	1,634 S.F.	1:300 S.F. (6 STALLS)

TOTAL PARKING REQUIRED:	
STANDARD STALLS	5 STALLS
H.C. ACCESSIBLE (H)	1 STALL
PARKING REQUIRED:	6 STALLS

TOTAL PARKING PROVIDED:	
STANDARD STALLS	6 STALLS
H.C. ACCESSIBLE (H)	1 STALL
PARKING REQUIRED:	7 STALLS

SITE PLAN GENERAL NOTES

1. REFER TO CIVIL DRAWINGS FOR HORIZONTAL DIMENSIONS NOT SHOWN
2. FOLLOW ALL RECOMMENDATIONS AND REQUIREMENTS OF THE GEO-TECHNICAL INVESTIGATION REPORT
3. CONCRETE CONTRACTOR SHALL COORDINATE WITH FENCING CONTRACTOR
4. CONCRETE PAVING PER SOILS REPORT
5. LANDSCAPING AND IRRIGATION SYSTEMS TO BE INSTALLED BY CONTRACTOR. COORDINATE W/ LANDSCAPE DRAWINGS
6. COORDINATE WITH CIVIL DRAWINGS FOR RETAINING WALLS
7. COORDINATE WITH CIVIL DRAWING FOR PARKING STALL DIMENSIONS AND PLANTER AREAS
8. CHANGES IN LEVEL IN FLOOR SURFACES SHALL COMPLY WITH ICC/ANSI A117.1-2009 SEC. 303. VERTICAL. CHANGES IN LEVEL OF 1/4 INCH MAXIMUM IN HEIGHT SHALL BE PERMITTED TO BE VERTICAL. BEVELED. CHANGES IN LEVEL GREATER THAN 1/4 INCH IN HEIGHT AND NOT MORE THAN 1/2 INCH MAXIMUM IN HEIGHT SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2. CHANGES IN LEVEL GREATER THAN 1/2 INCH IN HEIGHT SHALL BE RAMPED AND SHALL COMPLY WITH SECTION 405 OR 406.
9. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20.
10. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20. THE CROSS SLOPE OF A WALKING SURFACE SHALL NOT BE STEEPER THAN 1:48. ANSI A117.1-2009 SEC. 403.3
11. SLOPE ALL SLABS 1/8"/ FT AWAY FROM BUILDING

SITE PLAN LEGEND

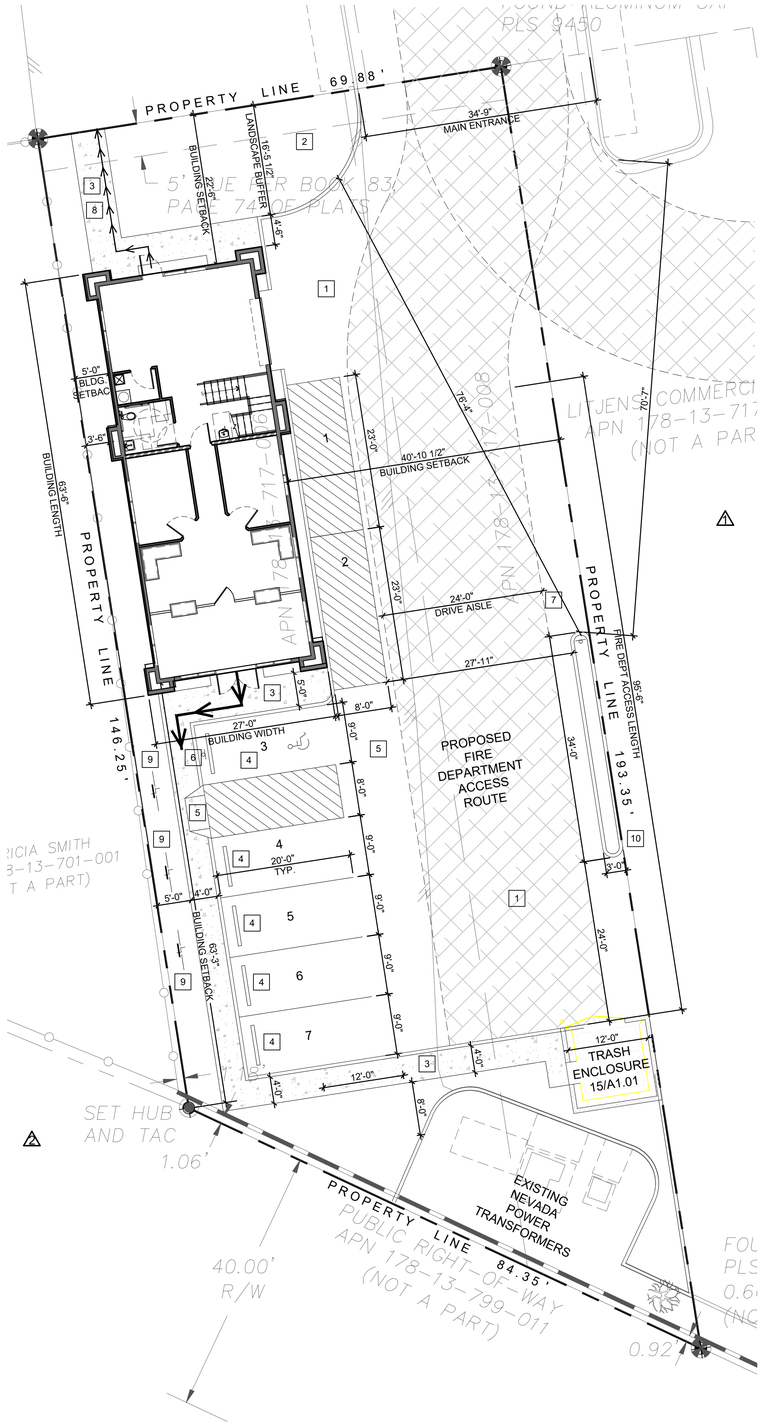
- INDICATES PROPERTY LINE
- INDICATES CENTER LINE OF STREET
- INDICATES EGRESS PATH
- INDICATES NEW BUILDING
- INDICATES ZERO CURB FACE

SITE PLAN GENERAL NOTES

1	ASPHAULT PAVING
2	LANDSCAPING, SEE LANDSCAPING DRAWINGS
3	CONCRETE WALKWAY
4	PROVIDE CONCRETE BUMPER @ EA. PARKING STALL
5	HANDICAP ACCESSIBLE CURB, SEE DETAIL 5/A1.01
6	HANDICAPPED PARKING SIGNS, SEE DETAIL 6/A1.01
7	UNAUTHORIZED PARKING SIGN, SEE DETAIL 8/A1.01
8	ACCESSIBLE ROUTE OF TRAVEL
9	BICYCLE RACK, SEE DETAIL 9/A1.01
10	18" HIGH LANDSCAPE DIVIDER ISLAND

BICYCLE PARKING CALC.

TYPE	SQ. FT.	(S) REQ'D	(L) REQ'D	(S) PROV	(L) PROV
BUSINESS	1,504	2	1	2	1



1 SITE PLAN
A1.00

SCALE: 3/32" = 1'-0"

N

Rev	Date	Description
1	10/24/2019	BLDG. DEPT. CORRECTIONS
2	11/14/2019	BLDG. DEPT. CORRECTIONS
3	03/04/2020	BLDG. DEPT. CORRECTIONS

Stamp:

STATE OF NEVADA
R-2 GENERAL CONTRACTOR
ASSURED DEVELOPMENT INC.
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03-04-2020

PHASE
CONST. DOCS.
SUBMITTAL

PROJECT NO.
008-19012

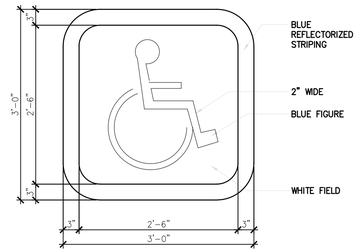
SHEET NO.
A1.00
SITE PLAN

USE OF THE ARCHITECTURAL DETAILS:

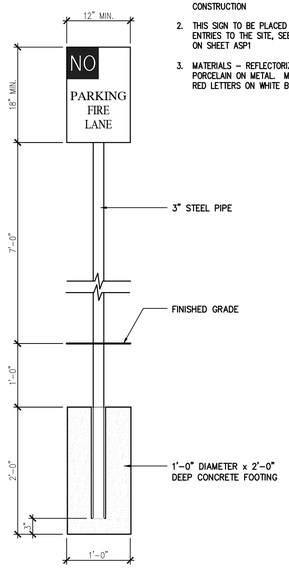
THE DETAILS SHOWN ARE INTENDED TO FURTHER ILLUSTRATE THE VISUAL DESIGN CONCEPT AND THE MINIMUM RECOMMENDED WEATHER PROTECTION

THE GENERAL CONTRACTOR SHALL INCORPORATE THE REQUIREMENTS OF THE BUILDING CODE, STRUCTURAL CONSIDERATIONS, TRADE ASSOCIATION MANUALS AND PUBLICATIONS, AND PRODUCT MANUFACTURERS WRITTEN INSTRUCTIONS FOR THE COMPLETE CONSTRUCTION OF THE DETAILS.

ALL POSSIBLE FIELD CONDITIONS WHICH MAY BE ENCOUNTERED ARE NOT NECESSARILY DESCRIBED, FIELD CONDITIONS ENCOUNTERED WHICH REQUIRE CLARIFICATION SHALL BE BROUGHT TO THE ATTENTION OF THE



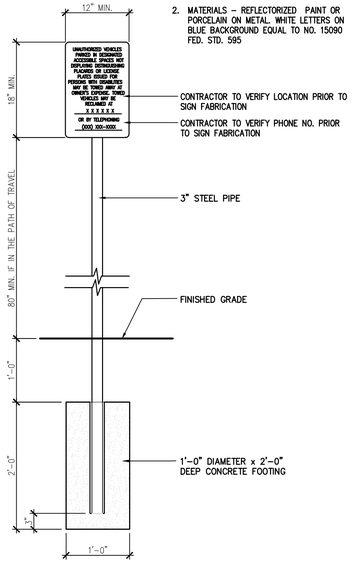
1 A1.01 HANDICAP SIGNAGE
SCALE: 1/4" = 1'-0"



NOTE:

1. VERIFY REQUIREMENTS, DIMENSIONS, MATERIALS, COLORS, AND TEXT WITH FIRE DEPARTMENT OFFICIALS PRIOR TO CONSTRUCTION
2. THIS SIGN TO BE PLACED AT THE ENTRIES TO THE SITE, SEE SITE PLAN ON SHEET ASP1
3. MATERIALS – REFLECTORIZED PAINT OR PORCELAIN ON METAL. METAL COLOR – RED LETTERS ON WHITE BACKGROUND

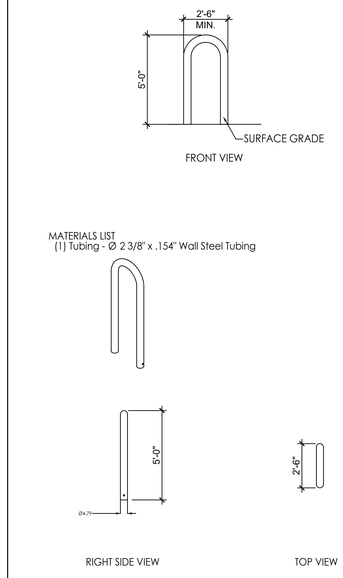
7 A1.01 FIRE LANE SIGN
SCALE: 1" = 1'-0"



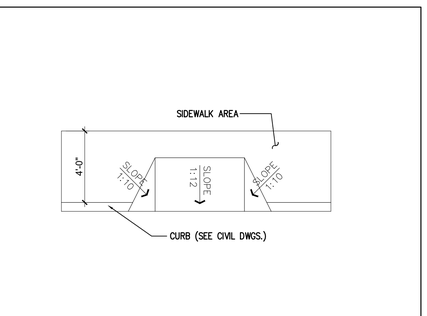
NOTE:

1. THIS SIGN TO BE PLACED AT THE ENTRIES TO THE SITE, SEE SITE PLAN ON SHEET ASP1
2. MATERIALS – REFLECTORIZED PAINT OR PORCELAIN ON METAL. WHITE LETTERS ON BLUE BACKGROUND EQUAL TO NO. 15090 FED. STD. 595

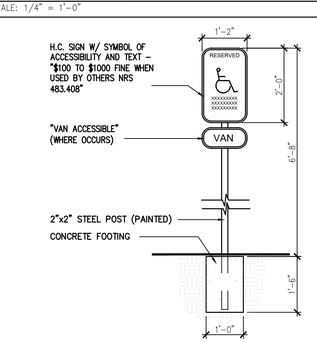
8 A1.01 UNAUTHORIZED PARKING SIGN
SCALE: 1" = 1'-0"



9 A1.01 BYCYCLE RACK DETAILS
SCALE: 1/4" = 1'-0"

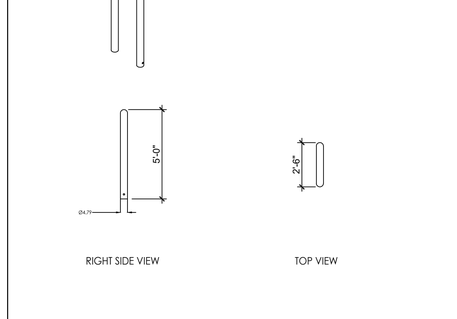


5 A1.01 CURB RAMP DETAIL
SCALE: 1/4" = 1'-0"

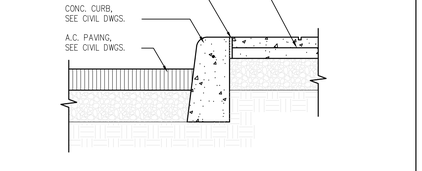


6 A1.01 HANDICAP SIGNAGE
SCALE: 3/4" = 1'-0"

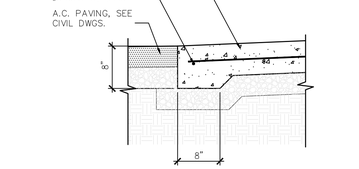
13 A1.01 GATE JAMB DETAIL
SCALE: NOT TO SCALE



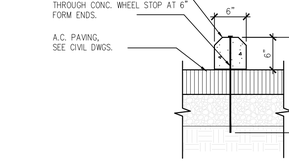
14 A1.01 PIPE BOLLARD
SCALE: 1/2" = 1'-0"



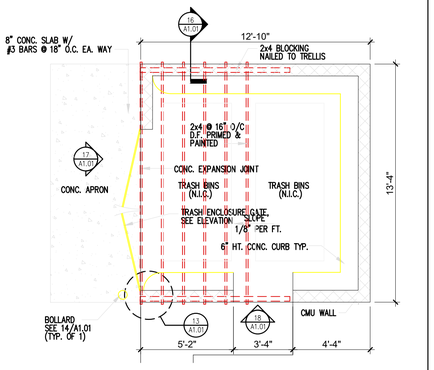
10 A1.01 CONCRETE CURB W/ CONCRETE WALK
SCALE: 1/4" = 1'-0"



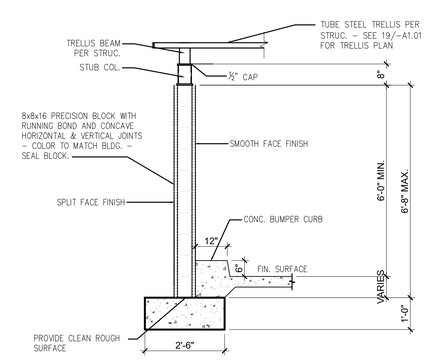
11 A1.01 CONCRETE SLAB TO A.C. PAVING
SCALE: 1/4" = 1'-0"



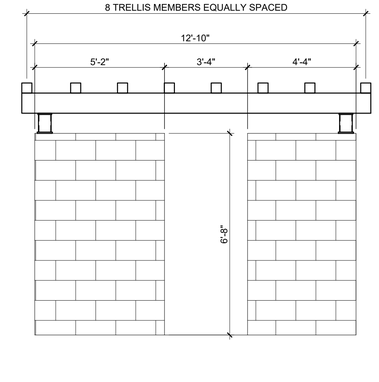
12 A1.01 CONCRETE WHEEL STOP DETAIL
SCALE: 1/4" = 1'-0"



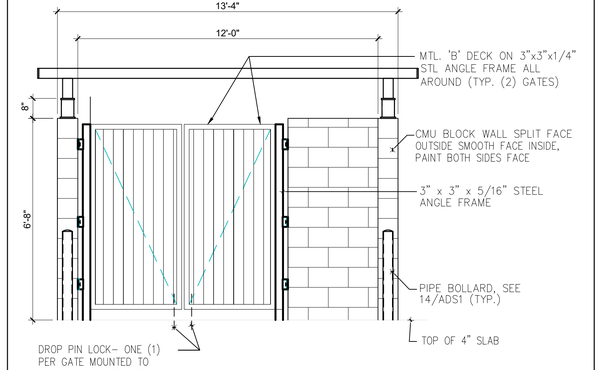
15 A1.01 TRASH ENCLOSURE PLAN
SCALE: 1/4" = 1'-0"



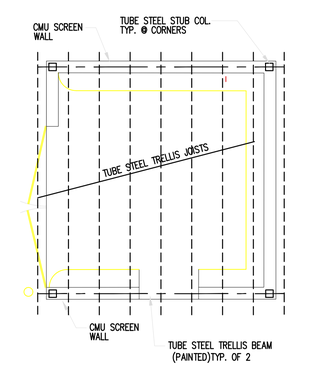
16 A1.01 TRASH ENCLOSURE WALL
SCALE: 1/4" = 1'-0"



17 A1.01 TRASH ENCLOSURE SIDE ELEVATION
SCALE: 1/4" = 1'-0"



18 A1.01 TRASH ENCLOSURE FRONT ELEVATION
SCALE: 1/4" = 1'-0"



19 A1.01 TRELLIS PLAN
SCALE: 1/4" = 1'-0"

Rev	Date	Description
1	10/24/2019	BLDG. DEPT. CORRECTIONS
2	11/14/2019	BLDG. DEPT. CORRECTIONS
3	03/04/2020	BLDG. DEPT. CORRECTIONS

Stamp:
STATE OF NEVADA
R.J. GENERAL CONTRACTOR
ASSURED DEVELOPMENT INC.
LIC #85290
EXP
3/31/2021
PROFESSIONAL CONTRACTOR

Phone: (702) 868-0900
Fax: (866) 248-6564
ASSURED DEVELOPMENT
2 IDAHO WAY, HENDERSON, NEVADA 89015

CONSTRUCTION DOCUMENTS FOR:
635 WEST LAKE MEAD COMMERCIAL BUILDING
635 WEST LAKE MEAD PARKWAY
HENDERSON, NEVADA 89015
APN # 178-13-717-006 & 008

DATE
03-04-2020
PHASE
CONST. DOCS.
SUBMITTAL
PROJECT NO.
008-19012
SHEET NO.
A1.01
SITE PLAN DETAILS

FLOOR PLAN WALL LEGEND

NEW CONSTRUCTION: 2X6 WOOD STUDS 16" O.C. WITH ONE LAYER OF 7/8" CEMENT PLASTER (MEASURED FROM THE FACE OF STUDS) ON THE EXTERIOR SURFACE WITH INTERIOR SURFACE TREATMENT AS REQUIRED FOR INTERIOR WOOD STUD PARTITIONS IN THIS TABLE (U.B.C.7B). PLASTER MIX 1:3 FOR SCRATCH COAT AND 1:5 FOR BROWN COAT, BY VOLUME, CEMENT TO SAND.FINISH BOTH SIDES WITH 5/8" TYPE 'X' GYPSUM DRYWALL - STAGGER JOINTS, TAPE ,TEXTURE AND PAINT OR FINISH PER OWNER.PROVIDE R-19 THERMAL INSULATION. SEE WALL TYPE DETAIL 2/A7.00.

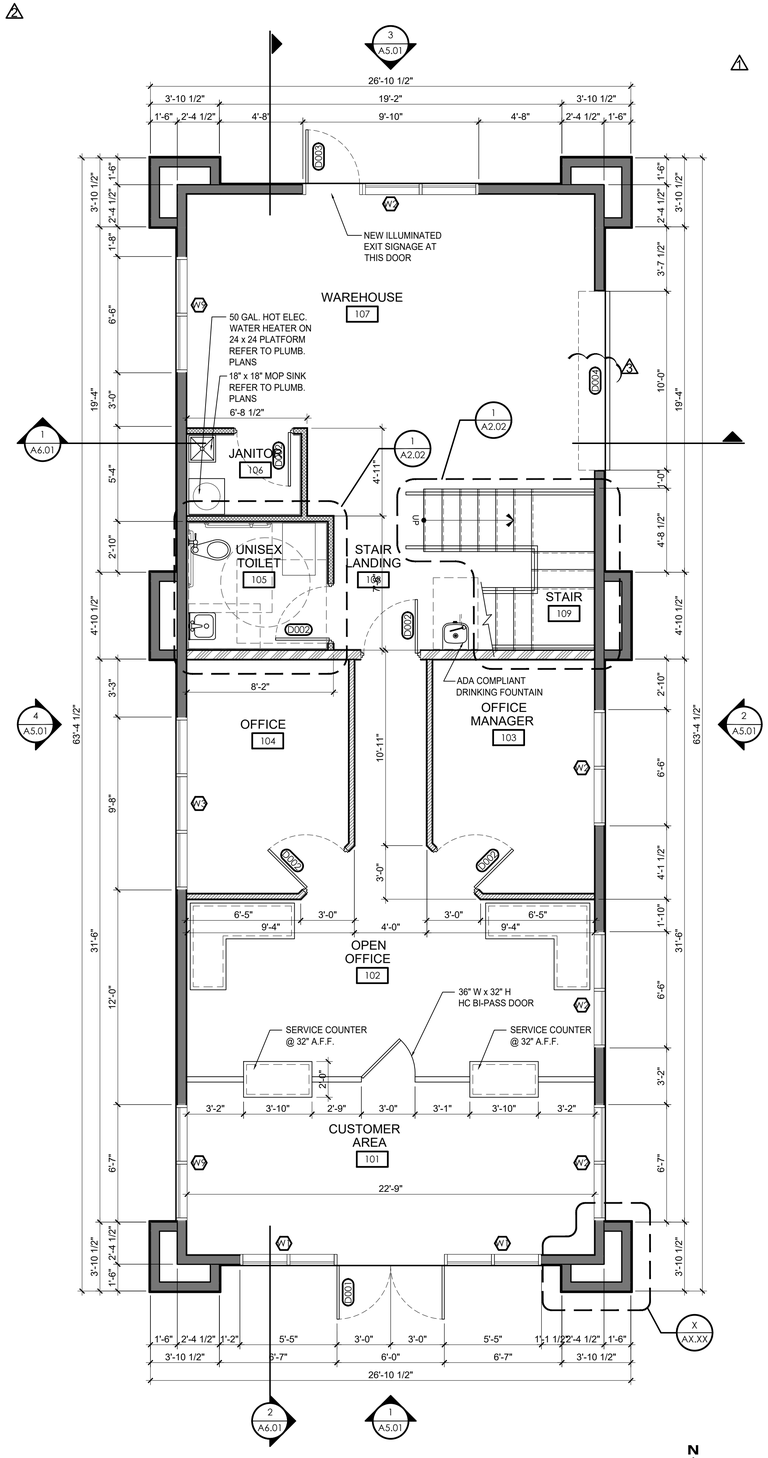
NEW CONSTRUCTION: 6" METAL STUDS TO BOTTOM OF FLOOR TRUSSES. GAUGE AND SPACING AT CONTRACTOR'S OPTION BASED ON LIMITING HEIGHT STUD CHART ON SHEET 3/A7.00. PROVIDE R-19 THERMAL INSULATION. FINISH BOTH SIDES WITH 5/8" TYPE 'X' GYPSUM DRYWALL - STAGGER JOINTS, TAPE,TEXTURE AND PAINT OR FINISH PER OWNER. SEE WALL TYPE DETAIL 1/A7.00.

NEW CONSTRUCTION: 3 5/8" OR 6" METAL STUDS TO 12'-0" ABOVE FINISH FLOOR UNLESS OTHERWISE SPECIFIED. GAUGE AND SPACING AT CONTRACTOR'S OPTION BASED ON LIMITING HEIGHT STUD CHART ON SHEET 3/A8.01. PROVIDE R-19 THERMAL INSULATION. FINISH BOTH SIDES WITH 5/8" TYPE 'X' GYPSUM DRYWALL - STAGGER JOINTS, TAPE ,TEXTURE AND PAINT OR FINISH PER OWNER. SEE WALL TYPE DETAIL 1/A7.00.

NEW CONSTRUCTION: "WET WALL" - 3 5/8" OR 6" METAL STUDS TO 9'-0" ABOVE FINISH FLOOR UNLESS OTHERWISE SPECIFIED. GAUGE AND SPACING AT CONTRACTOR'S OPTION BASED ON LIMITING HEIGHT STUD CHART ON SHEET 3/A7.00. PROVIDE R-19 THERMAL INSULATION. FINISH BOTH SIDES WITH 5/8" TYPE 'X' GYPSUM DRYWALL(USE GREEN BOARD ON WET SIDE, USE CEMENT BOARD OR RECOMMENDED SUBSTRATE WHERE WALL TILE IS TO BE INSTALLED IF SCHEDULED) STAGGER JOINTS, TAPE ,TEXTURE AND PAINT OR FINISH PER OWNER. SEE WALL TYPE DETAIL 1/A7.00.

- AT RESTROOMS AND JANITOR INSTALL FRP OR HEALT DEPT. APPROVED NON-POROUS TILES UP TO 48" A.F.F WITH GYPSUM BOARD PAINTED SEMI-GLOSS ACRYLIC LATEX ENAMEL ABOVE WAINSCOT TO CEILING.

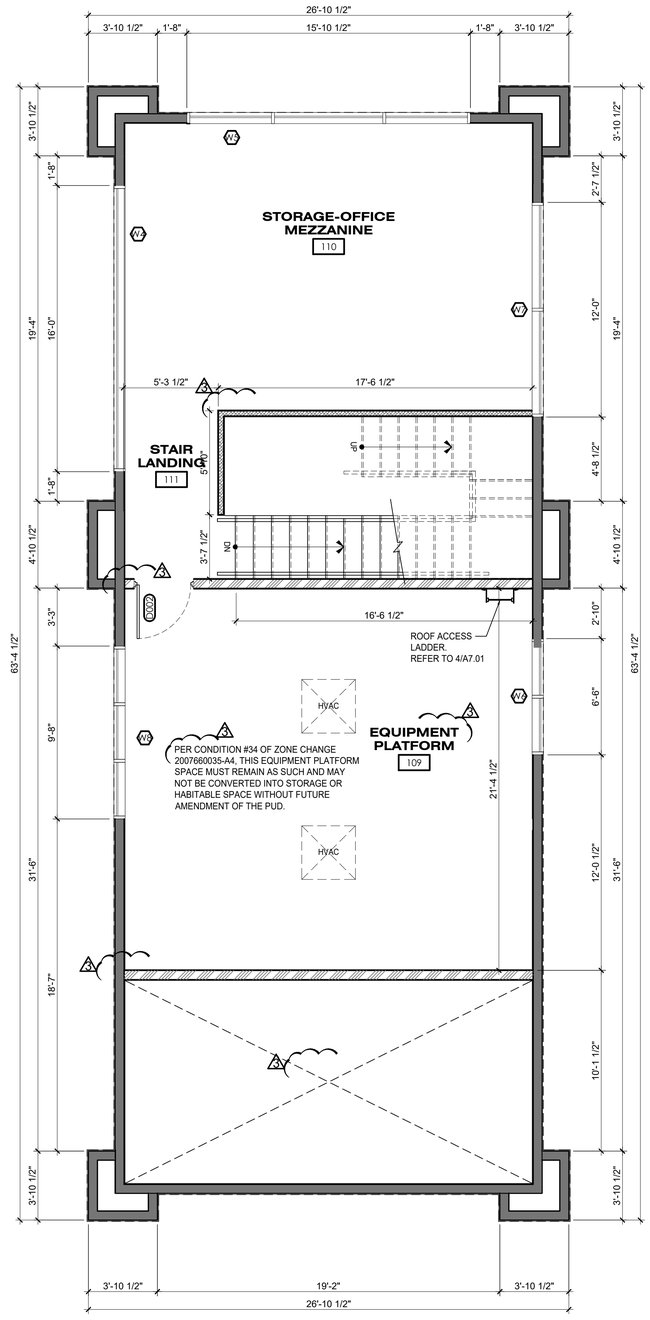
NEW CONSTRUCTION: 3 5/8" OR 6" METAL STUDS TO 42" A.F.F. UNLESS OTHERWISE SPECIFIED. GAUGE AND SPACING AT CONTRACTOR'S OPTION BASED ON LIMITING HEIGHT STUD CHART ON SHEET 3/A7.00. FINISH BOTH SIDES WITH 5/8" TYPE 'X' GYPSUM DRYWALL - STAGGER JOINTS, TAPE ,TEXTURE AND PAINT OR FINISH PER OWNER. SEE WALL TYPE DETAIL 4/A7.00.



1 1ST FLOOR PLAN

A2.01

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



2 2ND FLOOR PLAN

A2.01

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

Rev	Date	Description
1	10/24/2019	BLDG. DEPT. CORRECTIONS
2	11/14/2019	BLDG. DEPT. CORRECTIONS
3	03/04/2020	BLDG. DEPT. CORRECTIONS

Stamp:

STATE OF NEVADA — R-1 GENERAL CONTRACTOR — ASSURED DEVELOPMENT INC. LIC #85290 EXP 3/31/2021 — PROFESSIONAL CONTRACTOR

Phone: (702) 868-0900 Fax: (866) 248-6564

ASSURED DEVELOPMENT
2 IDAHO WAY, HENDERSON, NEVADA 89015

CONSTRUCTION DOCUMENTS FOR:

635 WEST LAKE MEAD COMMERCIAL BUILDING

635 WEST LAKE MEAD PARKWAY
HENDERSON, NEVADA 89015
APN # 178-13-717-006 & 008

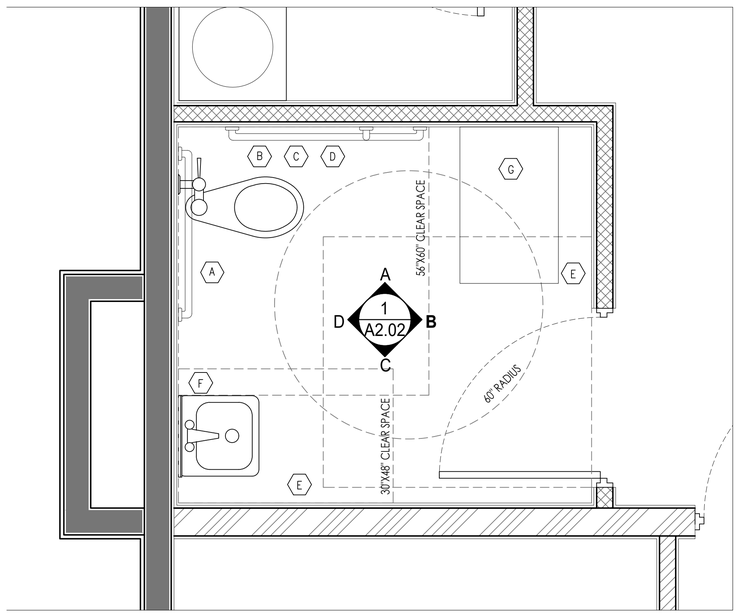
DATE 03-04-2020

PHASE CONST. DOCS. SUBMITTAL

PROJECT NO. 008-19012

SHEET NO. A2.01

FLOOR PLAN



ENLARGED PLAN
UNISEX TOILET - 105

1 / A2.02

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

ICC/A.N.S.I. A117.1 - 2012 EDITION

3042 TURNING SPACE

304.3.1 CIRCULAR SPACE. THE TURNING SPACE SHALL BE A CIRCULAR SPACE WITH A 60-INCH MINIMUM DIAMETER. THE TURNING SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306

306.2 TOE CLEARANCE

306.2.1 SPACE BENEATH AN ELEMENT BETWEEN THE FLOOR AND 9 INCHES ABOVE THE FLOOR SHALL BE TOE CLEARANCE AND SHALL COMPLY WITH SECTION 306.2

306.2.2 MAXIMUM DEPTH. TOE CLEARANCE SHALL BE PERMITTED TO EXTEND 25 INCHES MAXIMUM UNDER AND ELEMENT

306.2.3 MINIMUM DEPTH. WHERE TOE CLEARANCE IS REQUIRED AT AND ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE TOE CLEARANCE SHALL EXTEND 17 INCHES MINIMUM BENEATH THE ELEMENT.

306.2.5 WIDTH. TOE CLEARANCE SHALL BE 30 INCHES MINIMUM IN WIDTH

306.3 KNEE CLEARANCE

306.3.1 SPACE UNDER AND ELEMENT BETWEEN 9 INCHES AND 27 INCHES ABOVE THE FLOOR SHALL BE KNEE CLEARANCE AND SHALL COMPLY WITH SECTION 306.3

306.3.2 MAXIMUM DEPTH. KNEE CLEARANCE SHALL BE PERMITTED TO EXTEND 25 INCHES MAXIMUM UNDER AN ELEMENT AT 9 INCHES ABOVE THE FLOOR

306.3.3 MINIMUM DEPTH. WHERE KNEE CLEARANCE IS REQUIRED BENEATH AND ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE KNEE CLEARANCE SHALL BE 11 INCHES MINIMUM IN DEPTH AT 9 INCHES ABOVE THE FLOOR, AND 8 INCHES MINIMUM IN DEPTH AT 27 INCHES ABOVE THE FLOOR

306.3.4 CLEARANCE REDUCTION. BETWEEN 9 INCHES AND 27 INCHES ABOVE THE FLOOR, THE KNEE CLEARANCE SHALL BE PERMITTED TO BE REDUCED AT A RATE OF 1 INCH FOR EACH 6 INCHES IN HEIGHT

602 DRINKING FOUNTAINS

602.1 GENERAL: ACCESSIBLE DRINKING FOUNTAINS SHALL COMPLY WITH SECTIONS 602 AND 307

602.2 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305, POSITIONED FOR A FORWARD APPROACH TO THE DRINKING FOUNTAIN, SHALL BE PROVIDED. KNEE AND TOE SPACE COMPLYING WITH SECTION 306 SHALL BE PROVIDED. THE CLEAR FLOOR SPACE SHALL BE CENTERED ON THE DRINKING FOUNTAIN

602.3 OPERABLE PARTS: OPERABLE PARTS SHALL COMPLY WITH SECTION 309

602.4 SPOUT OUTLET HEIGHT: SPOUT OUTLETS OF WHEELCHAIR ACCESSIBLE FOUNTAINS SHALL BE 36 INCHES MAXIMUM ABOVE THE FLOOR SPOUT OUTLETS OF DRINKING FOUNTAINS FOR STANDING PERSONS SHALL BE 38 INCHES MINIMUM AND 43 INCHES MAXIMUM ABOVE THE FLOOR.

602.5 SPOUT LOCATION: THE SPOUT SHALL BE LOCATED 15 INCHES MINIMUM FROM THE VERTICAL SUPPORT AND 5 INCHES MAXIMUM FROM THE FRONT EDGE OF THE DRINKING FOUNTAIN, INCLUDING BUMPERS. WHERE A PARALLEL APPROACH IS PROVIDED THE SPOUT SHALL BE LOCATED 3 1/2 INCHES MAXIMUM FROM THE FRONT EDGE OF THE DRINKING FOUNTAIN INCLUDING BUMPERS.

602.6 WATER FLOW: THE SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES MINIMUM IN HEIGHT. THE ANGLE OF THE WATER STREAM FROM SPOUTS WITHIN 3 INCHES OF THE FRONT OF THE DRINKING FOUNTAIN SHALL BE 30 DEGREES MAXIMUM, AND FROM SPOUTS BETWEEN 3 INCHES AND 5 INCHES FROM THE FRONT OF THE DRINKING FOUNTAIN SHALL BE 15 DEGREES MAXIMUM, MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE DRINKING FOUNTAIN.

604 WATER CLOSETS AND TOILET COMPARTMENTS

604.3.1 SIZE. A CLEARANCE AROUND A WATER CLOSET 60 INCHES MINIMUM, MEASURED PERPENDICULAR FROM THE SIDEWALL, AND 56 INCHES MINIMUM, MEASURED PERPENDICULAR FROM THE REAR WALL, SHALL BE PROVIDED.

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

604.4 HEIGHT. THE HEIGHT OF WATER CLOSET SEATS SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM ABOVE THE FLOOR, MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

604.5.1 FIXED SIDEWALL GRAB BARS SHALL BE 42 INCHES MINIMUM IN LENGTH, LOCATED 12 INCHES MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES MINIMUM FROM THE REAR WALL. IN ADDITION, A VERTICAL GRAB BAR 18 INCHES MINIMUM IN LENGTH SHALL BE MOUNTED WITH THE BOTTOM OF THE BAR LOCATED BETWEEN 39 INCHES AND 41 INCHES ABOVE THE FLOOR AND WITH THE CENTER LINE OF THE BAR LOCATED BETWEEN 39 INCHES AND 41 INCHES FROM THE REAR WALL.

604.5.2 THE REAR WALL GRAB BAR SHALL BE 36 INCHES MINIMUM IN LENGTH, AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES MINIMUM ON THE SIDE CLOSEST TO THE WALL, AND 24 INCHES MINIMUM ON THE TRANSFER SIDE

604.7 DISPENSERS. TOILET PAPER DISPENSERS SHALL COMPLY WITH 309.4 AND SHALL BE 7 INCHES MINIMUM AND 9 INCHES MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE 15 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR AND SHALL NOT BE LOCATED BEHIND THE GRAB BARS. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROL DELIVERY, OR DO NOT ALLOW CONTINUOUS PAPER FLOW.

604.8 WHEELCHAIR ACCESSIBLE COMPARTMENTS.

604.8.2 SIZE. THE MINIMUM AREA OF A WHEELCHAIR ACCESSIBLE COMPARTMENT SHALL 60 INCHES MINIMUM IN WIDTH MEASURED PERPENDICULAR TO THE SIDE WALL AND 56 INCHES MINIMUM IN DEPTH FOR WALL HUNG WATER CLOSETS, AND 59" INCHES MINIMUM IN DEPTH FOR FLOOR MOUNTED WATER CLOSETS MEASURED PERPENDICULAR TO THE REAR WALL.

604.8.3 DOORS. TOILET COMPARTMENT DOORS, INCLUDING HARDWARE, SHALL COMPLY WITH SECTION 404.1, EXCEPT THAT IF THE APPROACH IS TO THE LATCH SIDE OF THE COMPARTMENT DOOR CLEARANCE BETWEEN THE DOOR SIDE OF THE STALL AND ANY OBSTRUCTION SHALL BE 42 INCHES MINIMUM. DOORS SHALL BE LOCATED IN THE FRONT PARTITION OR IN THE SIDE WALL OR PARTITION FARTHEST FROM THE WATER CLOSET. WHERE LOCATED IN THE SIDE WALL OR PARTITION , THE DOOR OPENING SHALL BE 4 INCHES MAXIMUM FROM THE FRONT PARTITION. THE DOOR SHALL BE SELF-CLOSING. A DOOR PULL COMPLYING WITH SECTION 404.2.6 SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR THE LATCH. TOILET COMPARTMENT DOORS SHALL NOT SWING INTO THE REQUIRED MINIMUM AREA OF THE COMPARTMENT

604.8.4 APPROACH. WHEELCHAIR ACCESSIBLE COMPARTMENTS SHALL BE ARRANGED FOR LEFT-HAND OR RIGHT-HAND APPROACH TO THE WATER CLOSET.

604.8.5 TOE CLEARANCE. IN WHEELCHAIR ACCESSIBLE COMPARTMENTS, THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE COMPLYING WITH SECTION 306.2 AND EXTENDING 6 INCHES DEEP BEYOND THE COMPARTMENT-SIDE FACE OF THE PARTITION, EXCLUSIVE OF PARTITION SUPPORT MEMBERS.

EXCEPTIONS:
1. TOE CLEARANCE AT THE FRONT OF THE PARTITION IS NOT REQUIRED IN A COMPARTMENT GREATER THAN 62 INCHES DEEP WITH A WALL-HUNG WATER CLOSET OR 65 INCHES DEEP WITH A FLOOR-MOUNTED WATER CLOSET.
2. TOE CLEARANCE AT THE SIDE PARTITION IS NOT REQUIRED IN A COMPARTMENT GREATER THAN 66 INCHES IN WIDTH.

605 URINALS

605.1 GENERAL. ACCESSIBLE URINALS SHALL COMPLY WITH SECTION 605.

605.2 HEIGHT. URINALS SHALL BE OF THE STALL TYPE OR SHALL BE OF THE WALL-HUNG TYPE WITH THE RIM AT 17 INCHES MAXIMUM ABOVE THE FLOOR.

605.3 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305 POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED.

605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC HAND-OPERATED FLUSH CONTROLS SHALL COMPLY WITH SECTION 309.

606 LAVATORIES & SINKS

606.2 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305.3, POSITIONED FOR FORWARD APPROACH, SHALL BE PROVIDED. KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306 SHALL BE PROVIDED. THE DIP OF THE OVERFLOW SHALL NOT BE CONSIDERED IN THE DETERMINING KNEE AND TOE CLEARANCES.

606.3 HEIGHT. THE FRONT OF LAVATORIES AND SINKS SHALL BE 34 INCHES MAXIMUM ABOVE THE FLOOR, MEASURED TO THE HIGHER OF THE RIM OUR COUNTER SURFACE.

606.4 FAUCETS SHALL COMPLY WITH SECTION 309. HAND-OPERATED METERING FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MINIMUM.

606.5 LAVATORIES WITH ENHANCED REACH RANGE. WHERE ENHANCE REACH RANGE IS REQUIRED AT LAVATORIES, FAUCETS AND SOAP DISPENSERS CONTROLS SHALL HAVE A REACH DEPTH OF 11 INCHES MAXIMUM OR, IF AUTOMATIC, SHALL BE ACTIVATED WITHIN A REACH DEPTH OF 11 INCHES MAXIMUM. WATER AND SOAP FLOW SHALL BE PROVIDED WITH A REACH DEPTH OF 11 INCHES MAXIMUM.

606.6 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

609.2.1 CIRCULAR CROSS SECTION. GRAB BARS SHALL HAVE A CIRCULAR CROSS SECTION WITH AN OUTSIDE DIAMETER OF 1 1/4 INCH MINIMUM AND 2 INCHES MAXIMUM

609.2.2 NONCIRCULAR CROSS SECTION. GRAB BARS WITH NONCIRCULAR CROSS SECTION SHALL HAVE A CROSS SECTION DIMENSION OF 2 INCHES MAXIMUM, AND A PERIMETER DIMENSION OF 4 INCHES MINIMUM AND 4.8 INCHES MAXIMUM

609.3 THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1 1/2 INCHES. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS OF THE GRAB BAR SHALL BE 1 1/2 INCHES MINIMUM. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12 INCHES MINIMUM.

609.4 POSITION OF GRAB BARS. GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33 INCHES MINIMUM AND 36 INCHES MAXIMUM ABOVE THE FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE.

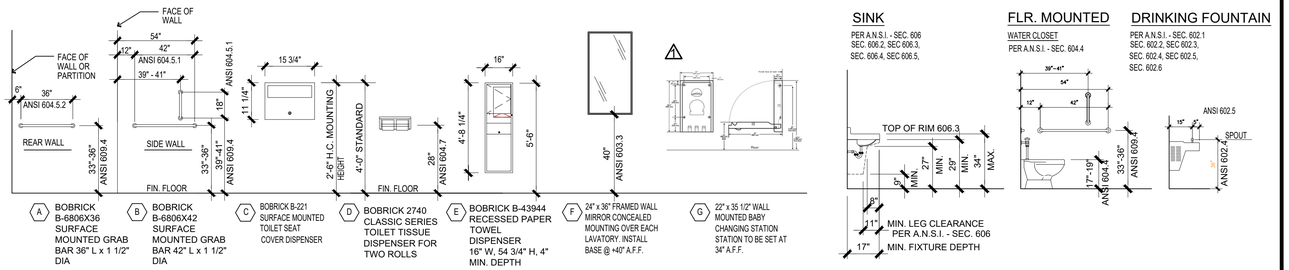
609.5 SURFACE HAZARDS. GRAB BARS AND ANY WALL OR OTHER SURFACES ADJACENT TO GRAB BARS SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS. EDGES SHALL BE ROUNDED

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 LOCATIONS SPECIFIED IN THIS STANDARD AND THAT DOES NOT OBSTRUCT THE CLEAR FLOOR SPACE.

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

ICC/A.N.S.I. A117.1 COMPLIANT MOUNTING HEIGHTS



A BOBRICK B-6806X36 SURFACE MOUNTED GRAB BAR 36" L x 1 1/2" DIA

B BOBRICK B-6806X42 SURFACE MOUNTED GRAB BAR 42" L x 1 1/2" DIA

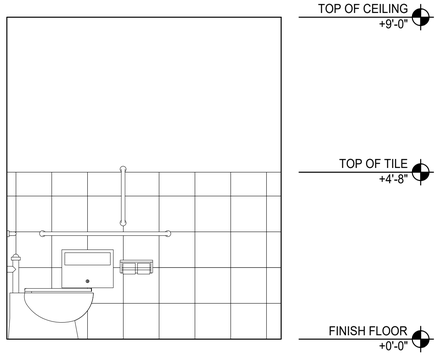
C BOBRICK B-221 SURFACE MOUNTED TOILET SEAT COVER DISPENSER

D BOBRICK 2740 CLASSIC SERIES TOILET TISSUE DISPENSER FOR TWO ROLLS

E BOBRICK B-43944 RECESSED PAPER TOWEL DISPENSER 16" W, 54 3/4" H, 4" MIN. DEPTH

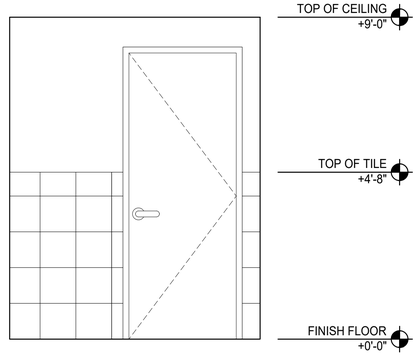
F 24" x 36" FRAMED WALL MIRROR CONCEALED MOUNTING OVER EACH LAVATORY. INSTALL BASE @ +40" A.F.F.

G 22" x 35 1/2" WALL MOUNTED BABY CHANGING STATION STATION TO BE SET AT 34" A.F.F.



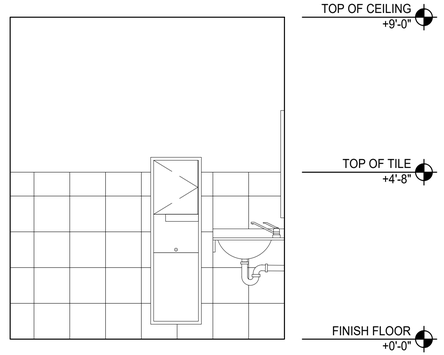
A / A2.02 **SOUTH ELEVATION**

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



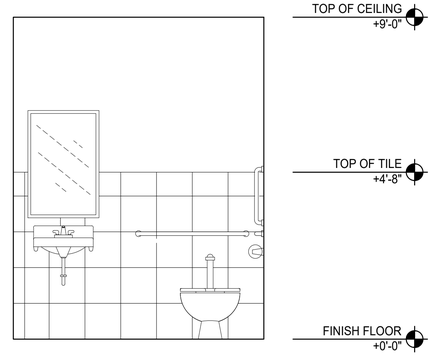
B / A2.02 **WEST ELEVATION**

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



C / A2.02 **NORTH ELEVATION**

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



D / A2.02 **EAST ELEVATION**

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

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1	10/24/2019	BLDG. DEPT. CORRECTIONS
2	11/14/2019	BLDG. DEPT. CORRECTIONS
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APN # 178-13-717-006 & 008

DATE 03-04-2020
PHASE CONST. DOCS. SUBMITTAL
PROJECT NO. 008-19012
SHEET NO. A2.02
ENLARGED RESTROOM PLAN

REFLECTIVE CEILING GENERAL NOTES

ALL ACOUSTICAL CEILING TILE GRIDS ARE CENTERED IN INDIVIDUAL ROOMS U.N.O.

ALL LIGHT FIXTURES ON GYPSUM BOARD CEILINGS ARE CENTERED IN ROOMS U.N.O.

LIGHT FIXTURES, MECHANICAL DUCTS AND REGISTERS ARE SHOWN FOR LOCATION PURPOSES ONLY. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ACTUAL QUANTITIES, SIZES AND TYPES.

CONTRACTOR TO COORDINATE LOCATION OF ACCESS PANELS WITH ACOUSTICAL TILE CEILING GRID AND LIGHT FIXTURES, WHERE CONFLICT, LIGHT FIXTURE LOCATION SHALL GOVERN.

PROVIDE UNISTRUT TYPE SUPPORT WHERE REQUIRED TO SUSPEND CEILING GRID BELOW MECHANICAL EQUIPMENT.

GENERAL CONTRACTOR TO LOCATE AND COORDINATE ALL ACCESS PANELS IN GYPSUM BOARD CEILING CONSTRUCTION WITH MECHANICAL/PLUMBING/ ELECTRICAL WORK. ALL MECHANICAL/PLUMBING/ ELECTRICAL WORK MAY REQUIRE ADJUSTMENT, REPAIR OR REMOVAL AS REQUIRED.

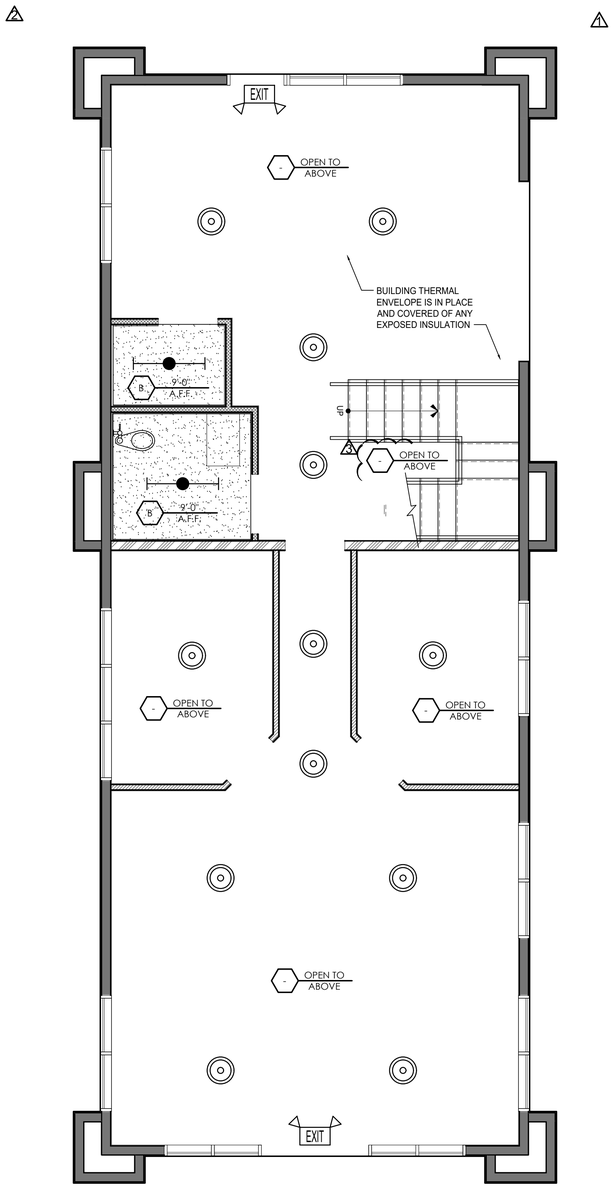
COORDINATE LIGHTING & MECHANICAL UNITS WITH ELECTRICAL & MECHANICAL PLANS RESPECTFULLY

CEILING PLAN LEGEND

- NEW 2X4 ACOUSTICAL LIGHT FIXTURE
- NEW 2X4 ACOUSTICAL EMERGENCY LIGHT FIXTURE
- NEW SURFACE MOUNTED 48" LIGHT FIXTURE
- NEW CHAIN HUNG FLOOD LIGHT FIXTURE
- NEW BUG EYE EXIT LIGHT FIXTURE
- NEW BUG EYE EMERGENCY LIGHT FIXTURE
- (A) NEW ACOUSTICAL LAY-IN TILE CEILING. REFER TO SHEET A8.01 FOR INSTALLATION REQUIREMENTS
- (B) NEW GYPSUM BOARD HARD LID CEILING. REFER TO SHEET A8.01 FOR INSTALLATION REQUIREMENTS

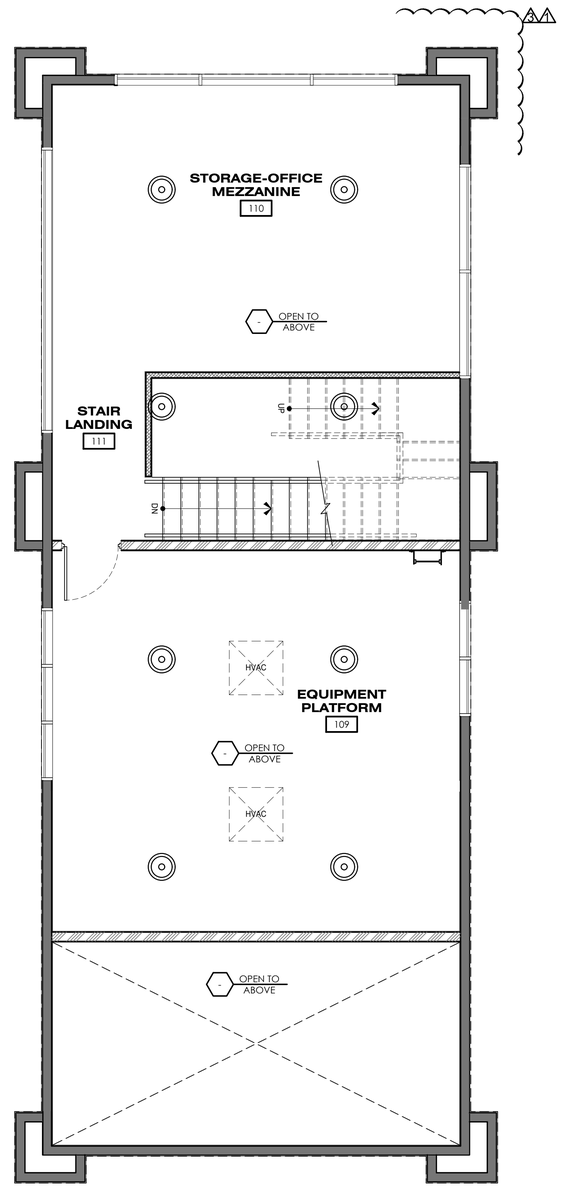
* REFER TO MECHANICAL PLANS FOR HVAC SUPPLY AND RETURN LOCATIONS.

* REFER TO ELECTRICAL PLANS FOR FINAL LIGHTING LAYOUT LOCATIONS, AND LIGHT SPECS..



1 A3.01 1ST FLOOR REFLECTIVE CEILING PLAN

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



2 A3.01 2ND FLOOR REFLECTIVE CEILING PLAN

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

Rev	Date	Description
1	10/24/2019	BLDG. DEPT. CORRECTIONS
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PHASE
CONST. DOCS. SUBMITTAL

PROJECT NO.
008-19012

SHEET NO.
A3.01

REFLECTIVE CEILING PLAN

ROOF GENERAL NOTES

COORDINATE INSTALLATION OF NEW ROOFING WITH OTHER TRADES. REPORT ANY CONFLICTS WITH ITEMS INSTALLED BY OTHER TRADES TO ARCHITECT.

ALL ROOF CURBS FOR NEW ROOFTOP EXHAUST FANS , HVAC UNITS AND CONDENSING UNITS SHALL HAV CURB HEIGHTS THAT WILL ALLOW FOR A MINIMUM OF 8" BASE FLASHING HEIGHTS FOR THE ROOF SYSTEM.

ALL PLUMBING VENTS SHALL EXTEND ABOVE THE FINISHED SURFACE OF THE ROOF SYSTEM AS REQUIRED TO PROVIDE FOR A MINIMUM OF 8" BASE FLASHING.

PROVIDE ICE BREAKS AT ALL PERIMETER AREAS OF STANDING SEAM ROOFING.

PROVIDE 36" WIDE WALK PADS @ SERVICE SIDE OF ALL MECH. EQUIPMENT. & PROVIDE 36" WIDE WALK PADS AROUND ALL ROOF HATCHES & 72"X72" PADS AT LADDERS.

ALL EXPOSED METAL FLASHING/ TRIM PIECES TO BE PRE-FINISHED 24 GA. STL. U.N.O.. PROVIDE PRE-FINISED OR FIELD PAINT FLASHING ONLY AS NOTED.

GUTTERS - ALL GUTTERS TO BE PRE-FINISHED 24 GA. STL. . PROVIDE PRE-FINISHED GALV. STL. BENT PLATE BRACKETS AND 14GAX1" GALV. STL. SPACERS @ 36" O.C. MAX. - STAGGER W/ EACH OTHER @ 18" O.C.. PROVIDE PRE-FORMED GUTTER E.J.'S PER SMACNA FIG. 1-7, TYP. @ 30'-0" MAX.. PROVIDE S.S. SCREENS @ ALL GUTTERS PER SMACNA FIG 1-24.

ALL DOWNSPOUTS TO BE PRE-FINISHED 24 GA. GALV. STL., PER SMACNA FIG 1-32B. DOWNSPOUTS ARE 6"X6" U.N.O., LOCATED AS NOTED ON ROOF PLAN. 15GA.X2" GALV. STL. HANGERS @ 48" O.C. MAX. PER SMACNA FIG 1-35B.

PROVIDE PAINTED 4' TALL CAST ALUM. DOWNSPOUT BOOTS @ ALL DOWN SPOUTS, TIE INTO SUB-GRADE DRAINAGE, RE:
CIVIL.

TAPERED INSULATION TO BE 1/4" PER FOOT MIN. SLOPE TO DRAIN. ROOF PLAN SHOWS TAPERED INSULATION FOR GRAPHIC REPRESENTATION ONLY. CONTRACTOR TO VERIFY INSULATION REQUIRED TO SLOPE PRIOR TO MEMBRANE INSULATION.

PROVIDE TAPERED INSULATION CRICKETS 1/4" PER FOOT MIN. SLOPE @ HIGH SIDE OF ALL MECHANICAL UNITS AND
ROOF HATCHES, TO SHED WATER AROUND AND MAINTAIN POSITIVE ROOF DRAINAGE.

ALL WOOD BLOCKING AT ROOF EDGES, RIDGES, ETC. TO BE 2X FR-WD BLOCKING.
M. VERIFY ELEVATION OF ROOF DRAIN RELATIVE TO OVERFLOW SCUPPER PRIOR TO INSTALLATION OF SCUPPERS

ROOF PLAN LEGEND

ROOF DRAIN AND OVERFLOW, SEE DETAILS 6, 7, & 8/A7.02

ROOF SCUTTLE ACCESS W/ ACCESS LADDER, SEE DETAIL 4/A7.02

ARROW INDICATES ROOF SLOPE OF OVER BUILT CRICKET

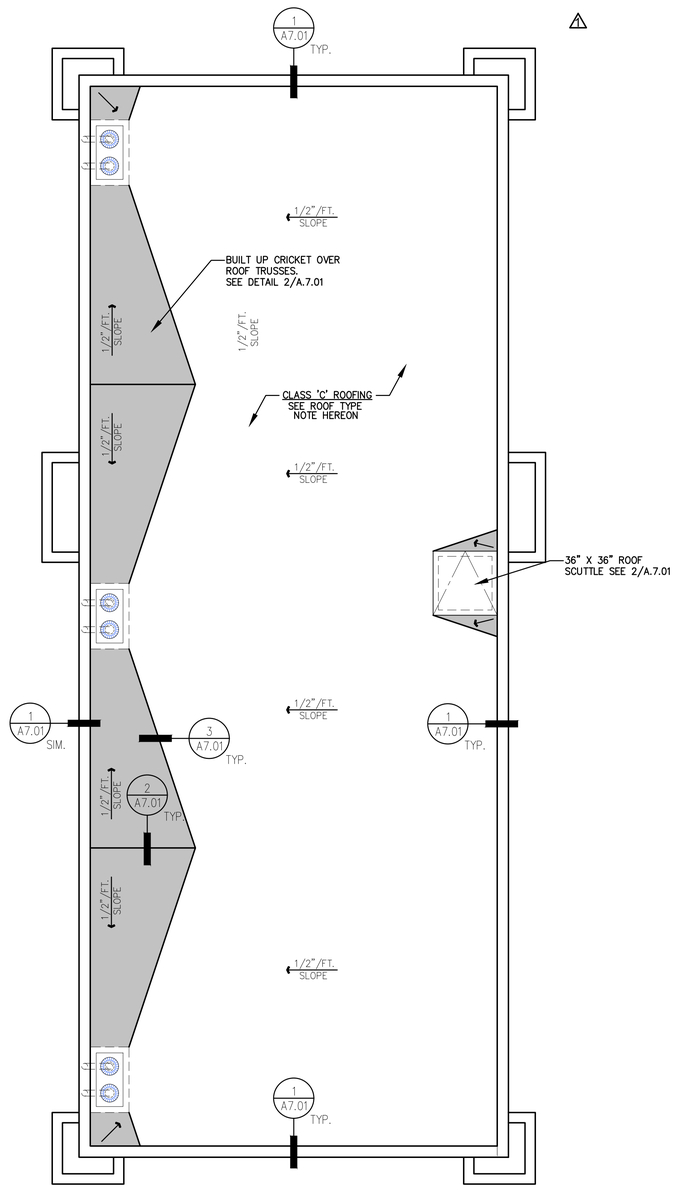
CLASS 'C' ROOFING NOTES

1 LAYER GLASKAP CR CAP SHEET OVER 2 LAYERS GLASPLY PREMIER PLY FELT OVER ¾" FESCO PERLITE-BASED ROOF INSULATION BOARD OVER JM ENERGY 3 ROOF INSULATION, ATTACHED WITH 14GA CASE HARDENED STEEL FASTENERS @ 12" O.C.

ROOF DRAIN CALCULATIONS

ROOF SQUARE FOOTAGE:	1348 S.F.
AVERAGE RAINFALL (LAS VEGAS, NV)	1.4
PIPE SIZE	2"
REQUIRED DRAINS	1
PROVIDED DRAINS	3 OK

⚠



1 / A4.01 **ROOF PLAN**

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

N

Rev	Date	Description
1	10/24/2019	BLDG. DEPT. CORRECTIONS
2	11/14/2019	BLDG. DEPT. CORRECTIONS
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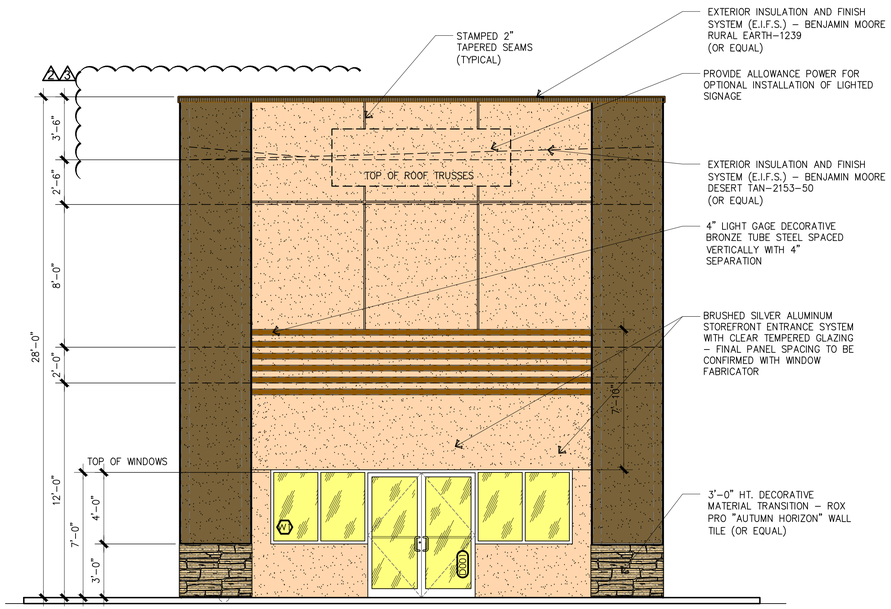
SHEET NO.
A4.01
ROOF PLAN


STAMPED 2" TAPERED SEAMS (TYPICAL)
EXTERIOR INSULATION AND FINISH SYSTEM (E.I.F.S.) – BENJAMIN MOORE RURAL EARTH–1239 (OR EQUAL)
PROVIDE ALLOWANCE POWER FOR OPTIONAL INSTALLATION OF LIGHTED SIGNAGE
TOP OF ROOF TRUSSES
EXTERIOR INSULATION AND FINISH SYSTEM (E.I.F.S.) – BENJAMIN MOORE DESERT TAN–2153–50 (OR EQUAL)
4" LIGHT GAGE DECORATIVE BRONZE TUBE STEEL SPACED VERTICALLY WITH 4" SEPARATION
BRUSHED SILVER ALUMINUM STOREFRONT ENTRANCE SYSTEM WITH CLEAR TEMPERED GLAZING – FINAL PANEL SPACING TO BE CONFIRMED WITH WINDOW FABRICATOR
TOP OF WINDOWS
3'–0" HT. DECORATIVE MATERIAL TRANSITION – ROX PRO "AUTUMN HORIZON" WALL TILE (OR EQUAL)
3'–6"
2'–6"
8'–0"
2'–0"
28'–0"
12'–0"
4'–0"
7'–0"
3'–0"
7'–10"
V1
V2
V3
V4
V5
V6
V7
V8
V9
V10
V11
V12
V13
V14
V15
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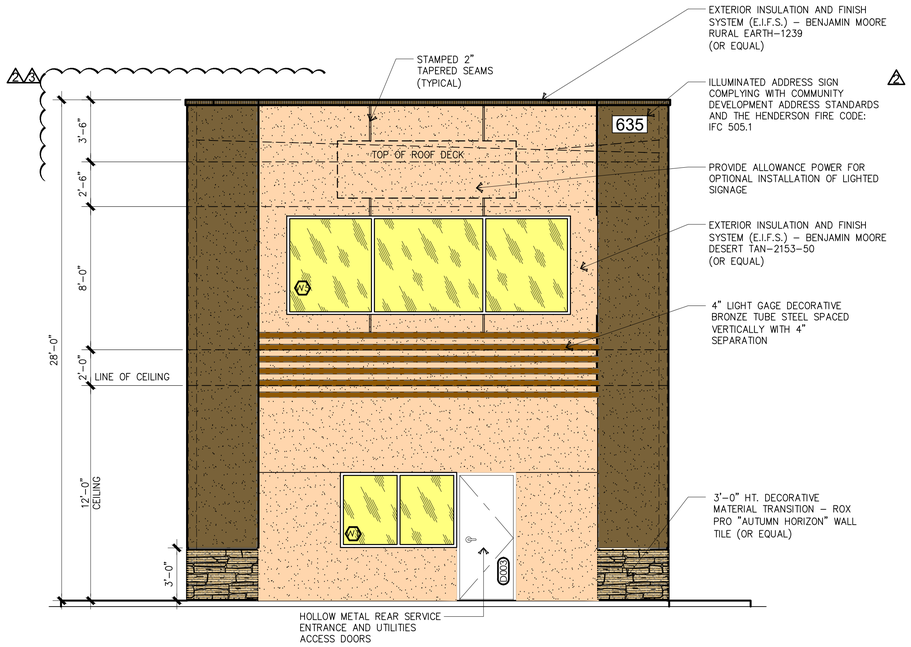
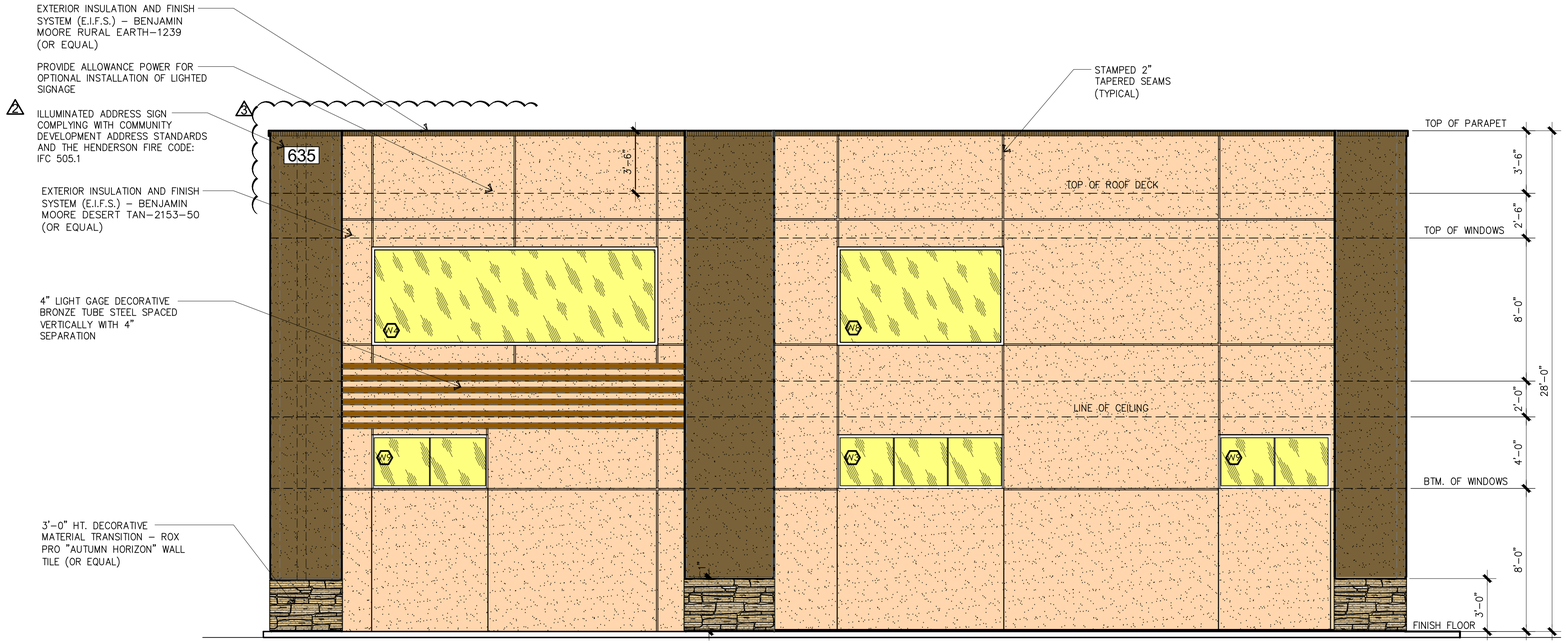


1 NORTH ELEVATION

A5.02

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



1 WEST ELEVATION

A5.02

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

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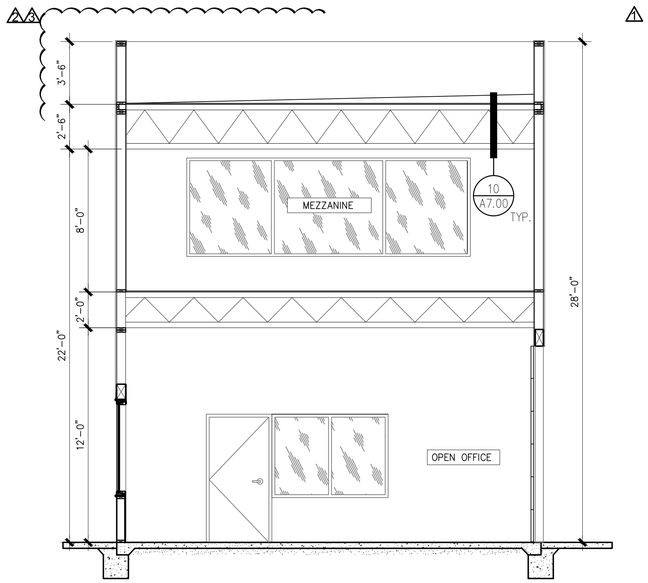
A5.02

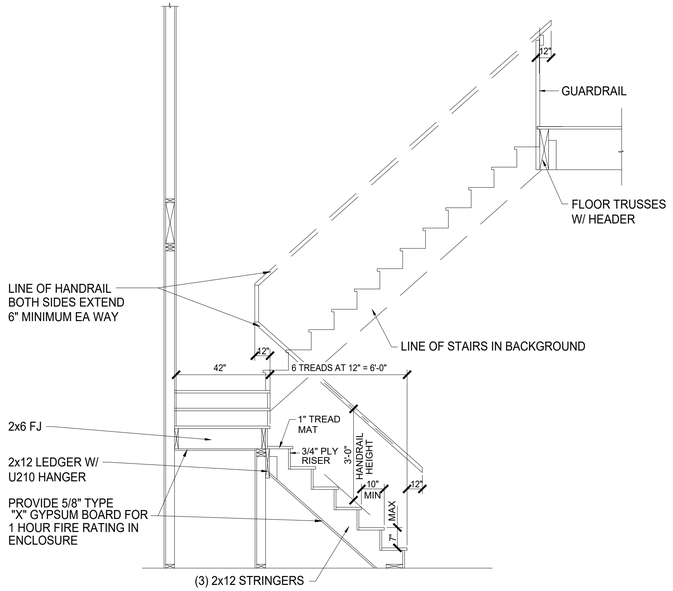
EXTERIOR ELEVATIONS



1 TYPICAL SECTION 1

A6.01

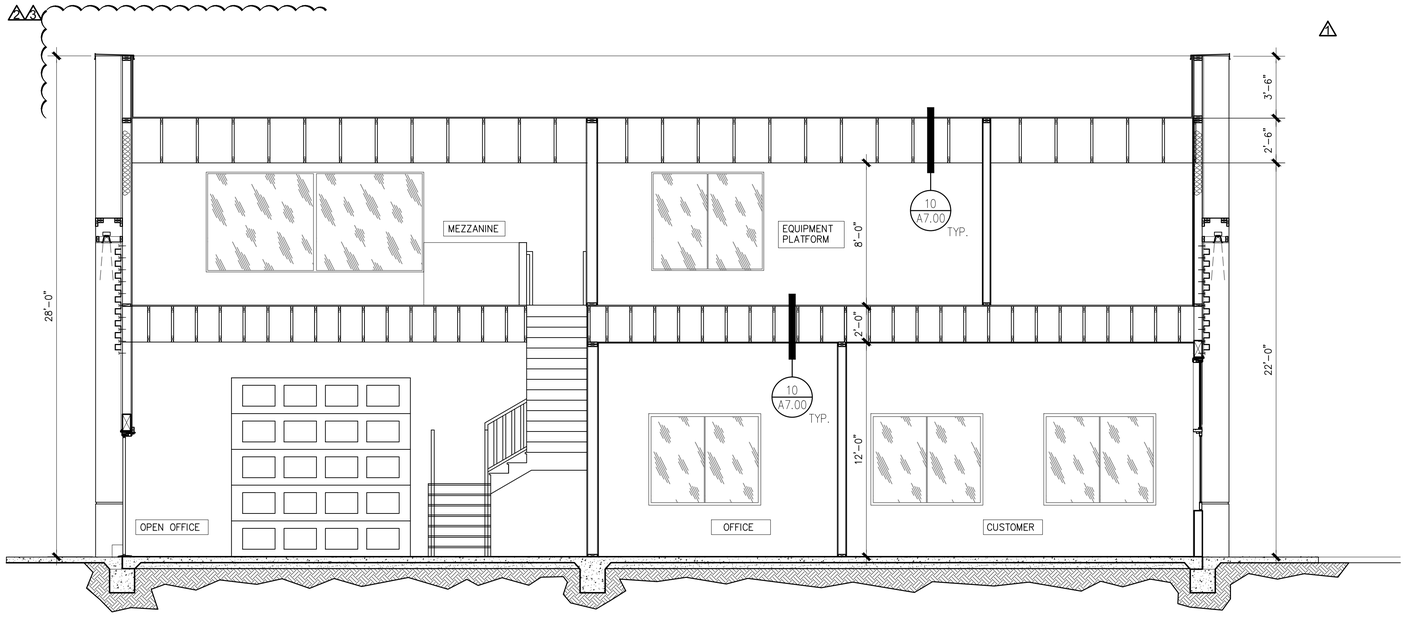
SCALE: 1/4" = 1'-0"



4 STAIR SECTION

A6.01

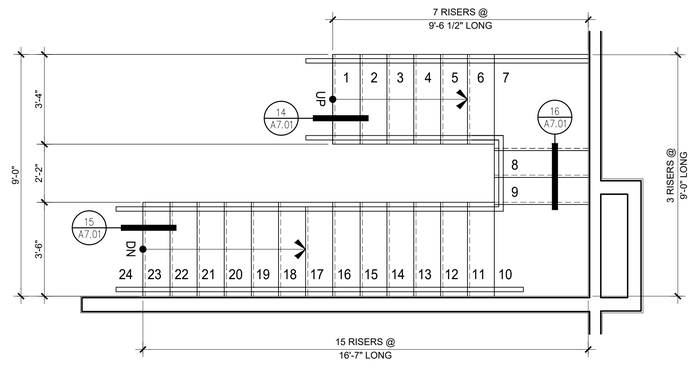
SCALE: N.T.S.



2 TYPICAL SECTION 2

A6.01

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



3 STAIR LAYOUT

A6.01

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

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1	10/24/2019	BLDG. DEPT. CORRECTIONS
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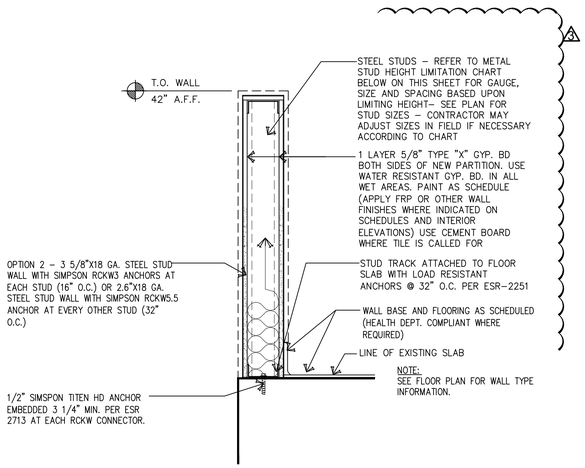
008-19012

SHEET NO.
A6.01
TYPICAL
SECTIONS

7 NOT USED
A7.00 SCALE: 3" = 1'-0"

8 NOT USED
A7.00 SCALE: 3" = 1'-0"

9 NOT USED
A7.00 SCALE: 3" = 1'-0"



4 LOW WALL – NON LOAD BEARING DETAIL
A7.00 SCALE: 3" = 1'-0"

5 NOT USED
A7.00 SCALE: 3" = 1'-0"

FIRE TEST: 2012 IBC TABLE 720.1 (3) ITEM 21 SEE EXCERPTED TABLE BELOW FOR MATERIALS AND INSTALLATION

I.B.C. TABLE NO. 720.1 (3) – MINIMUM PROTECTION FOR FLOOR AND ROOF SYSTEMS a, q (EXCERPTED)

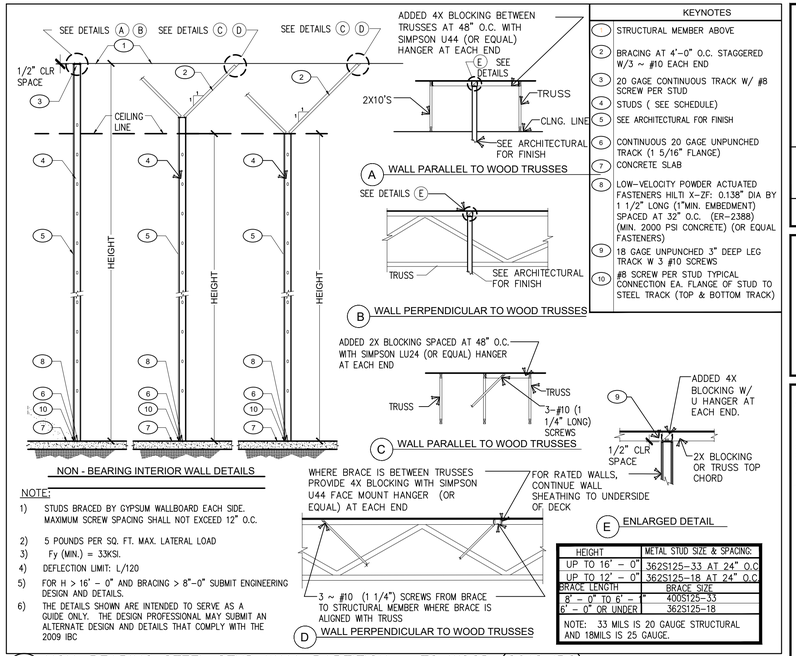
FLOOR OR ROOF CONSTRUCTION	ITEM NUMBER	CEILING CONSTRUCTION		NOTES
22. WOOD JOIST, FLOOR TRUSSES AND ROOF TRUSSES SPACED 24" O.C. WITH \" WOOD STRUCTURAL PANELS WITH EXTERIOR GLUE APPLIED AT RIGHT ANGLES TO TOP OF JOIST OR TRUSS WITH 8d NAILS THE WOOD STRUCTURAL PANEL THICKNESS SHALL NOT BE LESS THAN \" NOR LESS THAN REQUIRED BY CHAPTER 23.	22–1.1	BASE LAYER 5/8" TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO JOIST OR TRUSS 24" O.C. WITH 1 1/4" TYPE S OR TYPE W DRYWALL SCREWS 24" O.C. FACE LAYER 5/8" TYPE X GYPSUM WALLBOARD OR VENEER BASE APPLIED AT RIGHT ANGLES TO JOIST OR TRUSS THROUGH BASE LAYER WITH 1 7/8" TYPE S OR TYPE W DRYWALL SCREWS 12" O.C. AT JOINTS AND INTERMEDIATE JOISTS OR TRUSS. FACE LAYER TYPE G DRYWALL SCREWS PLACED 2" BACK ON EITHER SIDE OF FACE LAYER END JOINTS, 12" O.C.	1–Hr	

NOTES TO TABLE 720.1 (3)

a. Staples with equivalent holding power and penetration may be used as alternate fasteners to nails for attachment to wood framing.

q. Generic fire–resistance ratings (those not designated PROPRIETARY* in the listing) in the Fire Resistance Design Manual, Fourteenth Edition, Dated, April 1994, as published by the Gypsum Association, may be accepted as if herein listed.

6 1–HR ROOF CEILING ASSEMBLY
A7.00 SCALE: NO SCALE



1 NON–BEARING STEEL STUD WALL PARTITION – TO WOOD (2018 IBC)
A7.00 SCALE: NO SCALE

I.B.C. TABLE NO. 720.1 (2) – RATED FIRE–RESISTIVE PERIODS FOR VARIOUS WALLS AND PARTITIONS (EXCERPTED)

MATERIAL	ITEM NUMBER	WALL AND PARTITION CONSTRUCTION	RATING	NOTES
15. EXTERIOR OR INTERIOR WALLS	15–1.3 [1, M]	2"x 6" wood studs 16" on center with one layer of 7/8" cement plaster (measured from the face of studs) on the exterior surface with interior surface treatment as required for interior wood stud partitions in this table (U.B.C.7B). Plaster mix 1:4 for scratch coat and 1:5 for brown coat, by volume, cement to sand.	1 Hr.	o, p

* NOTE: SEE F/FR02 FOR INTERIOR SURFACE TREATMENT REQUIREMENTS

NOTES TO TABLE 720.1 (2)

a. Staples with equivalent holding power and penetration may be used as alternate fasteners to nails for attachment to wood framing.

l. Furring channels spaced 12 inches on center.

m. Double wood floor shall be permitted to be either of the following:

1. Subfloor of 1 inch nominal boarding, a layer of asbestos paper weighing not less than 14 pounds per 100 square feet and a layer of 1–inch nominal tongue–and–groove finish flooring; or

2. Subfloor of 1–inch nominal tongue–and–groove brdng or 15/32–inch wood struct panels w/ ext glue a layer of 1–inch nominal tongue–and–groove finish flooring or 19/32–inch wood structural panel finish flooring or a layer of Type 1 Grade M–1 particleboard not less than 5/8–inch thick.

o. Generic fire–resistance ratings (those not designated PROPRIETARY* in the listing) in the Fire Resistance Design Manual, fourteenth Edition, Dated, April 1994, as published by the Gypsum Association, may be accepted as if herein listed.

p. CNMA TEK 5–8, shall be permitted for the design of fire wall.

2 1–HR EXTERIOR WALL DETAIL
A7.00 SCALE: NO SCALE

STUD SIZE	STUD SPACING	STUD GAGE AND MIL THICKNESS: 18 MIL / 25GA	27MIL / 22GA	33MIL / 20GA	43MIL / 18GA	54MIL / 16GA
1\"	16"O.C.	6'–11"	8'–1"	8'–7"		
	24"O.C.	6'–0"	7'–1"	7'–6"		
2\"	16"O.C.	9'–6"	11'–2"	11'–11"	13'–0"	
	24"O.C.	8'–4"	9'–9"	10'–5"	11'–4"	
3\"	16"O.C.	12'–5"	14'–6"	15'–6"	16'–11"	18'–1"
	24"O.C.	10'–10"	12'–8"	13'–6"	14'–9"	15'–9"
4"	16"O.C.	13'–9"	16'–1"	17'–3"	18'–9"	20'–1"
	24"O.C.	12'–0"	14'–0"	15'–0"	16'–5"	17'–6"
6"	16"O.C.		22'–4"	23'–11"	26'–0"	27'–11"
	24"O.C.		19'–6"	20'–10"	22'–9"	24'–4"
8"	16"O.C.				33'–1"	35'–6"
	24"O.C.				28'–11"	31'–0"

1. SPACING OF METAL STUDS ARE AT 16" O.C. AND 24" O.C.
2. THE MINIMUM THICKNESS FOR INTERIOR STUDS WILL BE 18MIL. DESIGNED AT (5PSF– L/240) MIN.
3. THIS CHART IS FOR INTERIOR (NON–STRUCTURAL) STUDS ONLY.
4. THE HEIGHT INDICATED IS THE MAXIMUM HEIGHT ALLOWED. BRACE STUDS AT (4'–0" O.C.) ALTERNATING SIDES WHEN THE MAXIMUM HEIGHT IS REACHED.

NOTE:

STUD GAUGES AND SIZES: STUDS SHALL BE OF THE SIZES AND GAUGES INDICATED ON THE ARCHITECTURAL/STRUCTURAL DRAWINGS. NON–BEARING STUDS AT PARTITIONS SHALL BE SIZES AND GAUGES INDICATED EXCEPT WHERE STUD ASSEMBLY EXCEEDS THE LIMITING HEIGHT PUBLISHED BY THE STUD MANUFACTURER. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THE PLANS AND PROVIDING PROPER ASSEMBLY BY ACCOMPLISHING ONE OF THE FOLLOWING AT THE CONTRACTOR'S DISCRETION, AND AS APPROVED BY THE BUILDING OFFICIAL:

1. BRACE THE STUDS ABOVE THE SUSPENDED CEILING TO THE STRUCTURE ABOVE TO DECREASE UNSUPPORTED HEIGHT.
2. DECREASE THE STUD SPACING.
3. INCREASE THE STUD GAUGE.

3 METAL STUD HEIGHT LIMITATION CHART
A7.00 SCALE: NO SCALE

Rev	Date	Description
1	10/24/2019	BLDG. DEPT. CORRECTIONS
2	11/14/2019	BLDG. DEPT. CORRECTIONS
2a	03/04/2020	BLDG. DEPT. CORRECTIONS

Stamp:
STATE OF NEVADA
R–1 GENERAL CONTRACTOR
ASSURED DEVELOPMENT INC.
LIC #85290
EXP
3/31/2021
PROFESSIONAL CONTRACTOR

ASSURED DEVELOPMENT
2 IDAHO WAY, HENDERSON, NEVADA 89015
Phone: (702) 868-0900
Fax: (866) 248-6564

CONSTRUCTION DOCUMENTS FOR:
635 WEST LAKE MEAD COMMERCIAL BUILDING
635 WEST LAKE MEAD PARKWAY
HENDERSON, NEVADA 89015
APN # 178-13-717-006 & 008

DATE
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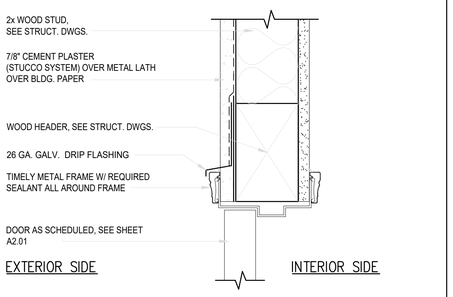
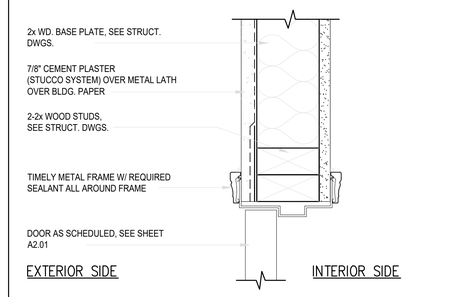
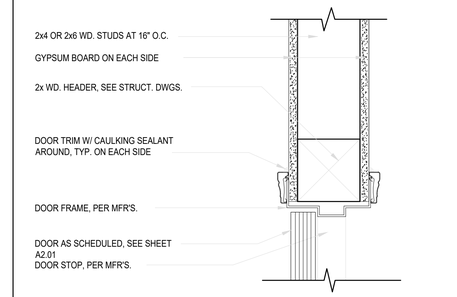
PHASE
CONST. DOCS.
SUBMITTAL
PROJECT NO.
008-19012
SHEET NO.
A7.00
WALL AND CEILING DETAILS



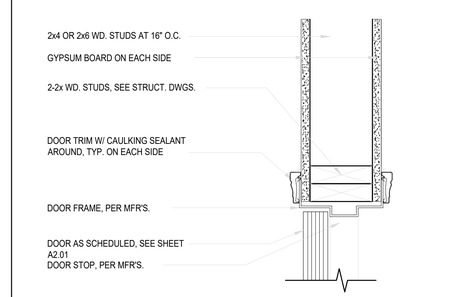
1 A7.01 HOLLOW METAL DOOR HEAD (FIRE RATED)
SCALE: 3" = 1'-0"



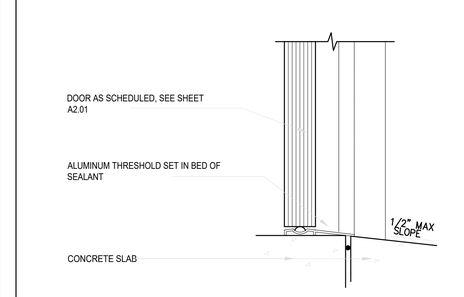
2 A7.01 HOLLOW METAL DOOR JAMB (FIRE RATED)
SCALE: 3" = 1'-0"



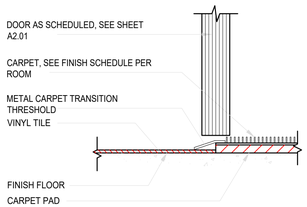
3 A7.01 INTERIOR WOOD DOOR HEADER
SCALE: 3" = 1'-0"



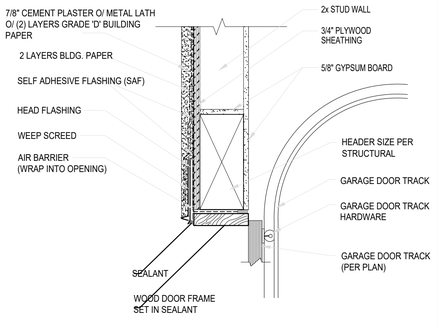
4 A7.01 INTERIOR WOOD DOOR JAMB
SCALE: 3" = 1'-0"



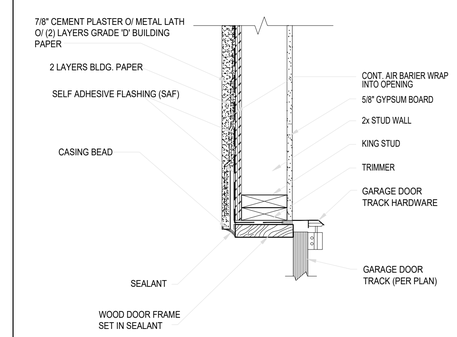
5 A7.01 EXTERIOR THRESHOLD DETAIL
SCALE: 3" = 1'-0"



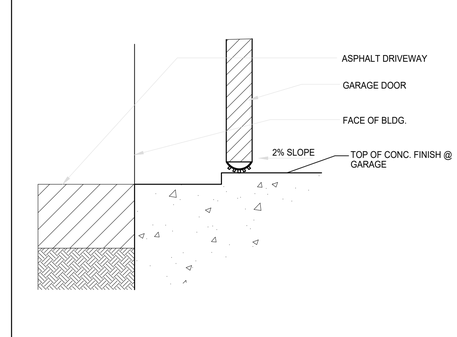
6 A7.01 INTERIOR DOOR THRESHOLD
SCALE: 3" = 1'-0"



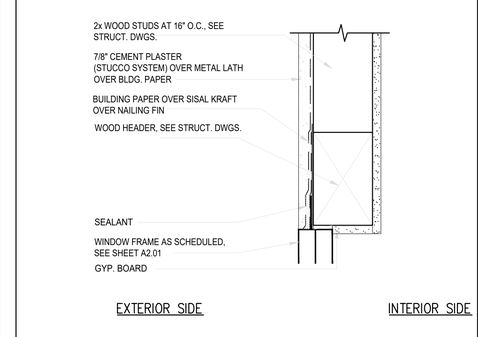
7 A7.01 METAL ROLL UP DOOR JAMB
SCALE: 3" = 1'-0"



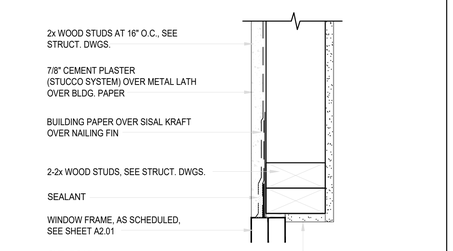
8 A7.01 METAL ROLL UP DOOR THRESHOLD
SCALE: 3" = 1'-0"



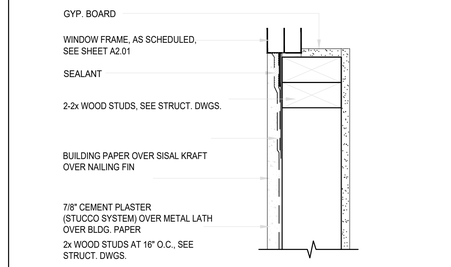
9 A7.01 METAL ROLL UP DOOR HEADER
SCALE: 3" = 1'-0"



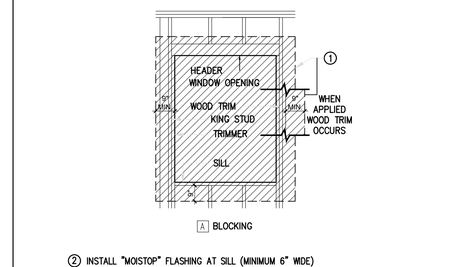
10 A7.01 STOREFRONT HEADER DETAIL
SCALE: 3" = 1'-0"



11 A7.01 STOREFRONT JAMB DETAIL
SCALE: 3" = 1'-0"

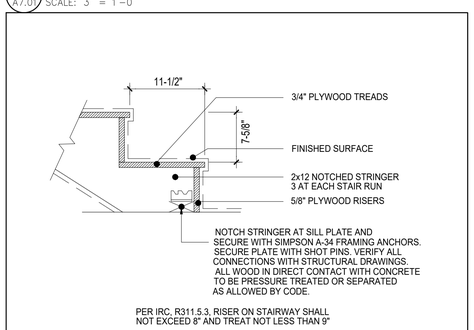


12 A7.01 STOREFRONT SILL DETAIL
SCALE: 3" = 1'-0"

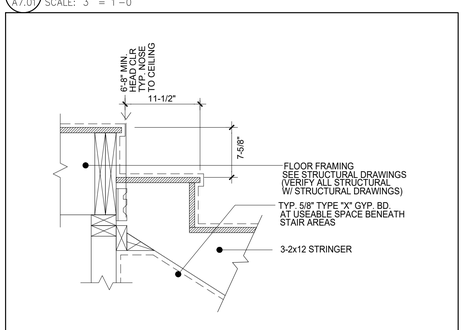


② INSTALL "MOISTOP" FLASHING AT SILL (MINIMUM 6" WIDE)
③ INSTALL "MOISTOP" FLASHING AT BOTH JAMBS LAPPING OVER SILL FLASHING (MINIMUM 6" WIDE)
④ APPLY SEALANT TO BACK SIDE OF THE WINDOW NAILING FIN AT SILL AND JAMBS.
⑤ INSTALL WINDOW W/ NAILING FINS OVER JAMBS AND SILL FLASHING.
⑥ APPLY SEALAND TO FRONT FACE OF THE WINDOW HEAD NAILING FIN.
⑦ INSTALL HEAD "MOISTOP" FLASHING (MINIMUM 6" WIDE) LAPPING OVER JAMB FLASHING AND NAILING FIN. (NAILING FINS ARE NOW FULLY SEALED TO "MOISTOP" FLASHING.
⑧ INSTALL BUILDING PAPER FROM BOTTOM TO TOP, TUCKING THE FIRST COURSE UNDER THE WINDOW SILL FLASHING AND EXTENDED JAMB FLASHING LEGS.
⑨ APPLY SUCCESSIVE COURSES OF BUILDING PAPER FROM BOTTOM TO TOP LAPPING OVER JAMB FLASHING AND HEAD FLASHING.

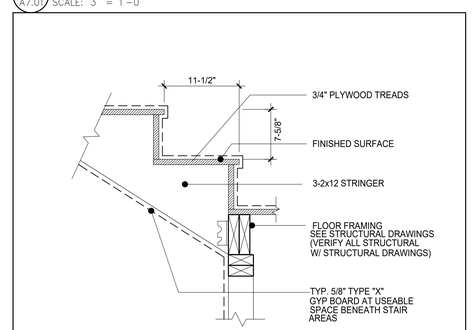
13 A7.01 FLASHING DETAIL
SCALE: 3" = 1'-0"



14 A7.01 STRINGER @ FINISH FLOOR
SCALE: 3" = 1'-0"



15 A7.01 STAIR DETAIL @ LANDING
SCALE: 3" = 1'-0"



16 A7.01 STRINGER DETAIL @ MID-LANDING
SCALE: 3" = 1'-0"

17 A7.01 NOT USED
SCALE: 3" = 1'-0"

18 A7.01 NOT USED
SCALE: 3" = 1'-0"

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STATE OF NEVADA
R.G. GENERAL CONTRACTOR
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LIC #85290
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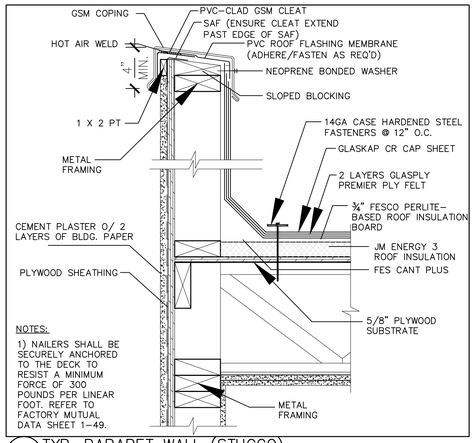
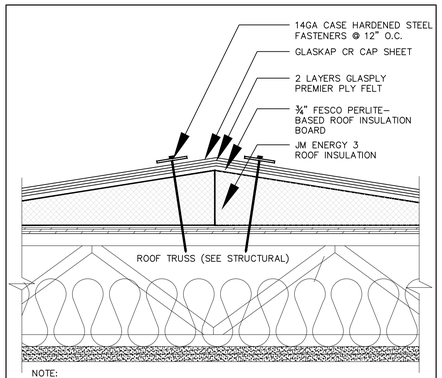
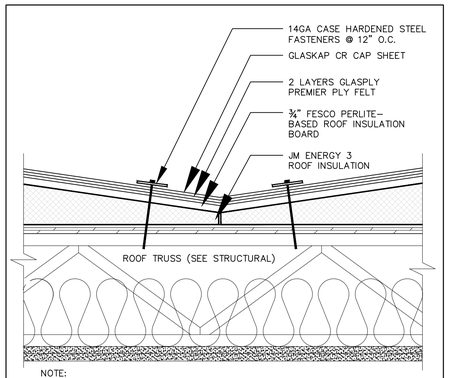
008-19012
SHEET NO.
A7.01
TYPICAL DETAILS



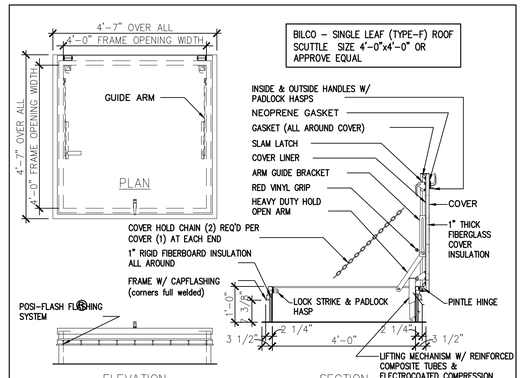
1 A7.01 TYP. PARAPET WALL (STUCCO)
SCALE: 1-1/2" = 1'-0"



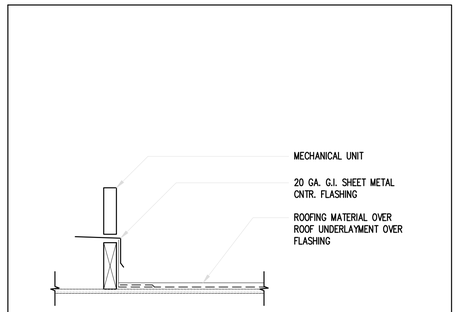
2 A7.01 PEAK RIDGE
SCALE: NTS



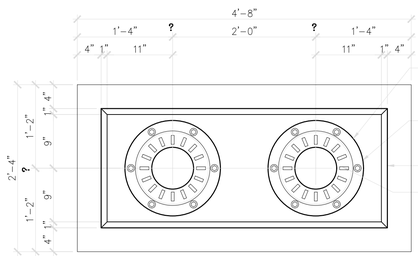
3 A7.01 SLOPE TRANSITION
SCALE: NTS



4 A7.01 ROOF SCUTTLE DETAIL
SCALE: 3" = 1'-0"

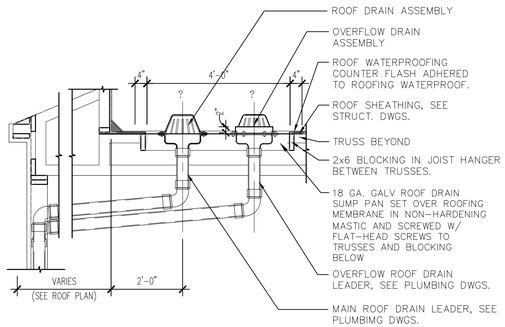


5 A7.01 MECHANICAL CURB DETAIL
SCALE: 3" = 1'-0"

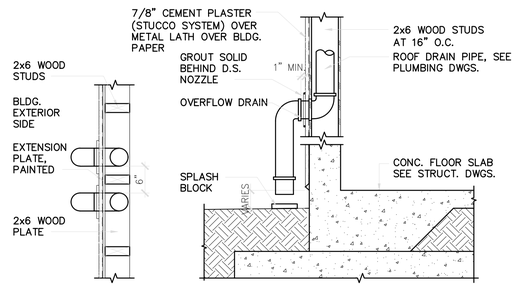


PLAN

6 A7.01 ROOF DRAIN AND OVERFLOW PLAN
SCALE: 1-1/2" = 1'-0"

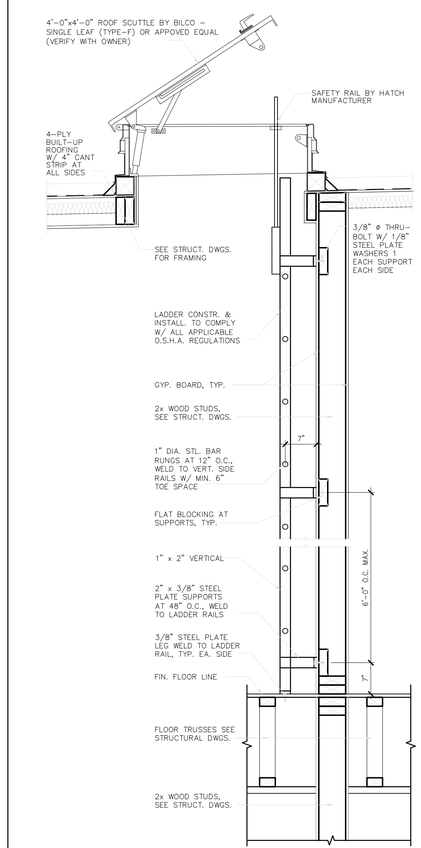


7 A7.01 ROOF DRAIN AND OVERFLOW SECTION
SCALE: NTS



NOTE:
ALL PENETRATIONS THRU RATED WALL REQUIRE FIRE SEALANT.

8 A7.01 ROOF DRAIN THRU WALL
SCALE: NTS



NOTE:
CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO INSTALLATION OF ACCESS LADDER. CONTRACTOR SHALL ALSO SUBMIT SHOP DRAWINGS OF THE PROPOSED ACCESS LADDER TO BE INSTALLED.

17 A7.01 ROOF LADDER WITH HATCH
SCALE: 3" = 1'-0"

9 A7.01 NOT USED
SCALE: NTS

10 A7.01 NOT USED
SCALE: NTS

11 A7.01 NOT USED
SCALE: NTS

12 A7.01 NOT USED
SCALE: NTS

13 A7.01 NOT USED
SCALE: NTS

14 A7.01 NOT USED
SCALE: NTS

15 A7.01 NOT USED
SCALE: NTS

16 A7.01 NOT USED
SCALE: NTS

Rev	Date	Description
1	10/24/2019	BLDG. DEPT. CORRECTIONS
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Stamp:
STATE OF NEVADA
REGISTERED CONTRACTOR
ASSURED DEVELOPMENT INC.
LIC #85290
EXP 3/31/2021
PROFESSIONAL CONTRACTOR

ASSURED DEVELOPMENT
2 IDAHO WAY, HENDERSON, NEVADA 89015
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CONSTRUCTION DOCUMENTS FOR:
635 WEST LAKE MEAD COMMERCIAL BUILDING
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HENDERSON, NEVADA 89015
APN # 178-13-717-006 & 008

DATE
03-04-2020
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PROJECT NO.
008-19012
SHEET NO.
A7.02
ROOF DETAILS

DOOR SCHEDULE

DOOR NUMBER	SIZE			DOOR			DETAILS				RATINGS		HARDWARE SET	COMMENTS	REVISED IN DELTA(S)
	HEIGHT	WIDTH	THICKNESS	TYPE	FINISH	FRAME	FINISH	HEAD	JAMB	THRESHOLD	FIRE	STC (MINIMUM)			
D001	7'-0"	6'-0"	1 3/4"	STOREFRONT	TEMPERED	ALUM	PAINT	10/A7.01	11/A7.01	5/A7.01			HW1		
D002	7'-0"	3'-0"	1 3/4"	HCW	PAINT	ALUM	PAINT	3/A7.01	4/A7.01	6/A7.01			HW2		
D003	7'-0"	3'-0"	1 3/4"	HMI	PAINT	HMI	PAINT	1/A7.01	2/A7.01	5/A7.01			HW1		
D004	11'-0"	12'-0"	1 3/4"	HMI	PAINT	HMI	PAINT	1/A7.01	2/A7.01	5/A7.01			HW3		

DOOR HARDWARE SCHEDULE

VERIFY ALL FINAL HARDWARE SELECTIONS WITH OWNER

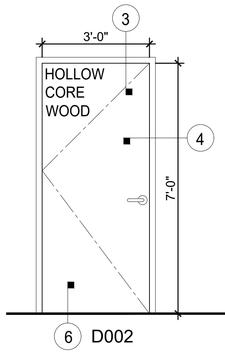
HW 1
- HINGES
- DOOR STOP (WALL MOUNT)
- LOCKSET
- LEVER HANDLE

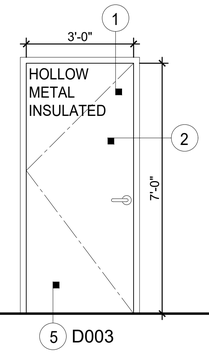
HW 2
- HINGES
- DOOR STOP (WALL MOUNT)
- LOCKSET
- LEVER HANDLE
- SELF CLOSING

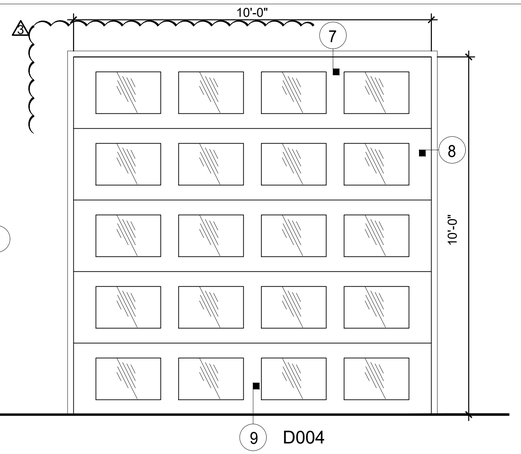
HW 3
- STANDARD ROLL UP GARAGE DOOR HARDWARE

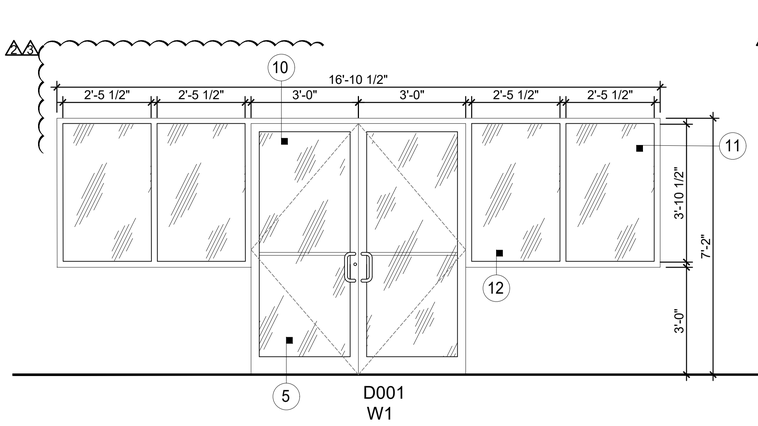
ACCESSIBLE HARDWARE NOTES

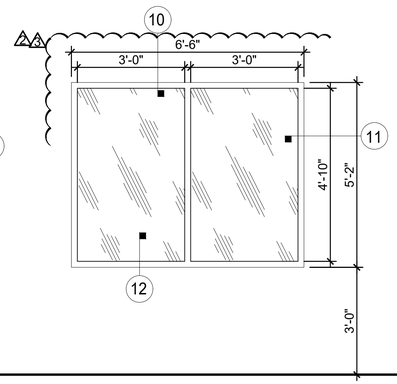
ICC/ANSI A117.1-03 404.2.6 HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 INCHES (865 MM) MINIMUM AND 48 INCHES (1220 MM) MAXIMUM ABOVE THE FLOOR. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED USABLE FROM BOTH SIDES.

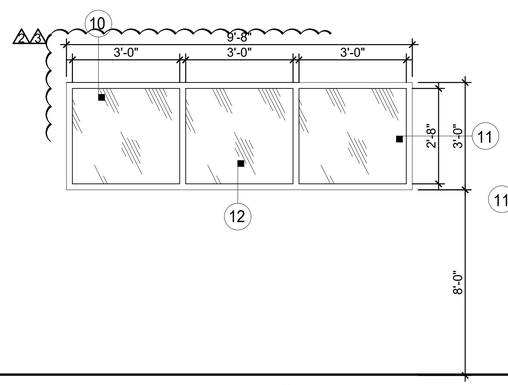


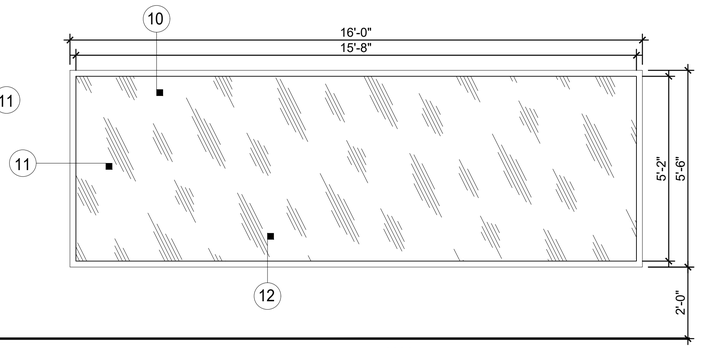


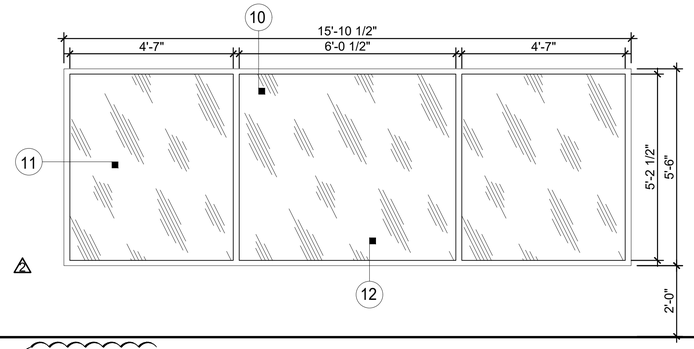


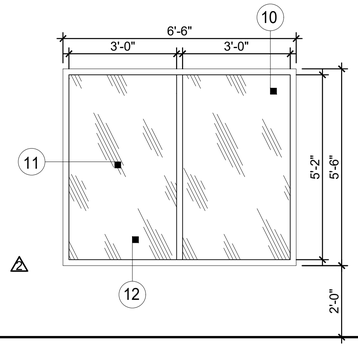


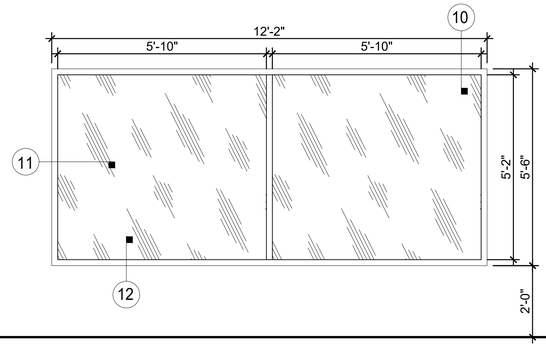


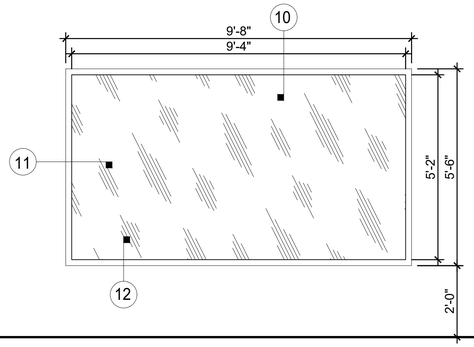


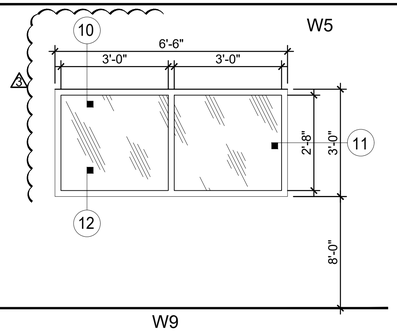












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3	03/04/2020	BLDG. DEPT. CORRECTIONS

Stamp:

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R-2 GENERAL CONTRACTOR
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LIC #85290
EXP
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APN # 178-13-717-006 & 008

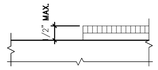
DATE
03-04-2020

PHASE
CONST. DOCS. SUBMITTAL

PROJECT NO.
008-19012

SHEET NO.
A8.01

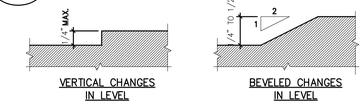
DOOR & WINDOW SCHEDULE



CARPET ON FLOOR OR GROUND SURFACES

ANSI 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 1/2 IN. (13MM) MAXIMUM. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ALONG THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH SECTION 303.
ANSI 302.3 OPENINGS. OPENINGS IN FLOOR OR GROUND SURFACES SHALL BE OF A SIZE THAT DOES NOT PERMIT THE PASSAGE OF A 1/2IN (13MM) DIAMETER SPHERE, EXCEPT AS ALLOWED IN SECTIONS 407 AND 408. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

302 FLOOR OR GROUND SURFACES



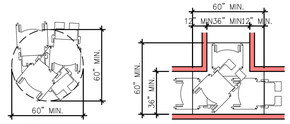
VERTICAL CHANGES IN LEVEL

BEVELED CHANGES IN LEVEL

CHANGES IN LEVEL

ANSI 303.2 VERTICAL CHANGES IN LEVEL 1/4 IN. (6MM) HIGH MAX. SHALL BE PERMITTED TO BE VERTICAL.
ANSI 303.3 BEVELED CHANGES IN LEVEL BETWEEN 1/4 IN. (6MM) HIGH MIN. SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2
ANSI 303.4 RAMPED CHANGES IN LEVEL GREATER THAN 1/2 IN. (13MM) SHALL BE RAMPED AND SHALL COMPLY WITH SECTION 405 OR 406

303 CHANGES IN LEVEL

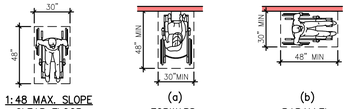


60" DIAMETER SPACE

T-SHAPED SPACE FOR 180 DEG. TURNS

ANSI 304.2 ... FLOOR OR GROUND SURFACES OF A WHEELCHAIR TURNING SPACE SHALL HAVE A SLOPE NOT STEEPER THAN 1:48 AND SHALL COMPLY WITH SEC. 302
ANSI 304.3.1 ... THE WHEELCHAIR TURNING SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH SEC. 306
ANSI 304.3.2 ... T-SHAPED WHEELCHAIR TURNING SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306 ONLY AT THE END OF EITHER THE BASE OR ONE ARM
ANSI 304.4 ... DOORS SHALL BE PERMITTED TO SWING INTO WHEELCHAIR TURNING SPACE, UNO

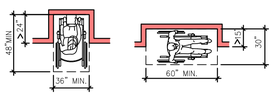
304 WHEELCHAIR TURNING SPACE



1:48 MAX. SLOPE CLEAR FLOOR SPACE

(a) FORWARD APPROACH

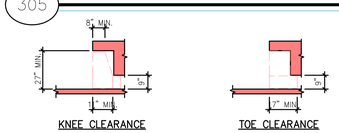
(b) PARALLEL APPROACH



MANUEVERING CLEARANCE IN AN ALCOVE

ANSI 305.6 ONE FULL UNOBSTRUCTED SIDE OF THE CLEAR FLOOR OR GROUND SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE OR ADJOIN ANOUTHER CLEAR FLOOR OR GROUND SPACE.
ANSI 305.7 IF A CLEAR FLOOR OR GROUND IS IN AN ALCOVE OR OTHERWISE CONFINED ON ALL OR PART OF THREE SIDES, ADDITIONAL MANEUVERING CLEARANCES COMPLYING WITH SECTIONS 305.7.1 AND 305.7.2 SHALL BE PROVIDED
ANSI 305.7.1 – FORWARD APPROACH. THE WIDTH OF AN ALCOVE SHALL BE 36 IN. (915 M.M.) MINIMUM WHERE THE DEPTH EXCEEDS 24 IN. (610 M.M.).
ANSI 305.7.2 – PARALLEL APPROACH. THE LENGTH OF AN ALCOVE SHALL BE 60 IN. (1525 M.M.) MINIMUM WHERE THE DEPTH EXCEEDS 15 IN. (380 M.M.).

305 CLEAR FLOOR OR GROUND SPACE

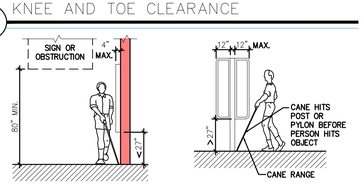


KNEE CLEARANCE

TOE CLEARANCE

ANSI 306.2.1 SPACE UNDER AN ELEMENT BETWEEN 9 IN. ABOVE THE FLOOR OR GROUND SHALL BE TOE CLEARANCE AND SHALL COMPLY WITH SECTION 306.2
ANSI 306.2.2 TOE CLEARANCE SHALL BE PERMITTEDTO EXTEND 25 IN. MAXIMUM UNDER AN ELEMENT.
ANSI 306.3.1 SPACE UNDER AN ELEMENT BETWEEN 9 IN. AND 27 IN. ABOVE THE FLOOR OR GROUND SHALL BE KNEE CLEARANCE AND SHALL COMPLY WITH SECTION 306.3
ANSI 306.3.2 KNEE CLEARANCE SHALL BE PERMITTEDTO EXTEND 25 IN. MAXIMUM UNDER AND ELEMENT AT 9 IN. ABOVE THE FLOOR OR GROUND

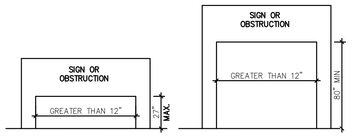
306 KNEE AND TOE CLEARANCE



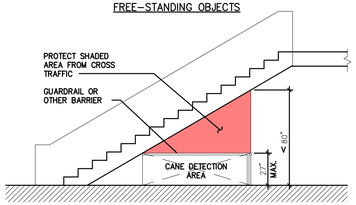
LIMITS OF PROTRUDING OBJECTS

POST MOUNTED OBJECTS

307 PROTRUDING OBJECTS

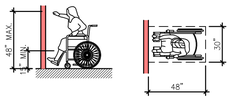


FREE-STANDING OBJECTS

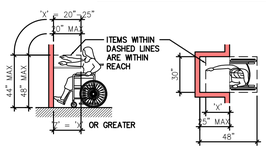


REDUCED VERTICAL CLEARANCE

307 PROTRUDING OBJECTS (CONT.)



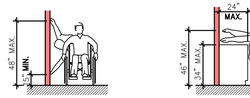
UNOBSTRUCTED FORWARD REACH LIMIT



NOTE:
"X" = REACH DEPTH,
"Y" = REACH HEIGHT,
"Z" = CLEAR KNEE SPACE,
"Z" IS THE CLEAR SPACE BELOW THE OBSTRUCTION, WHICH SHALL BE AT LEAST AS DEEP AS THE REACH DISTANCE "X".

CLEAR FLOOR OR GROUND SPACE SHALL EXTEND NO MORE THAN 25 IN. (635 M.M.) UNDER THE OBSTRUCTION.

FORWARD REACH OVER AN OBSTRUCTION



UNOBSTRUCTED SIDE REACH LIMIT

OBSTRUCTED SIDE REACH LIMIT

308 REACH RANGES

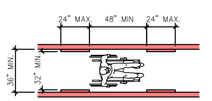
ANSI 309.3 HEIGHT. OPERABLE PARTS SHALL BE PLACED WITHIN ONE OR MORE OF THE REACH RANGES SPECIFIED IN SECTIONS 308
EXCEPTIONS:
1. WHERE THE USE OF SPECIAL EQUIPMENT DICTATES OTHERWISE
2. WHERE ELECTRICAL AND COMMUNICATIONS SYSTEMS RECEPTACLES ARE NOT NORMALLY INTENDED FOR USE BY BUILDING OCCUPANTS

ANSI 309.4 OPERATION. OPERABLE PARTS SHALL BE OPERABLE WITH ON HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2 N) MAXIMUM.

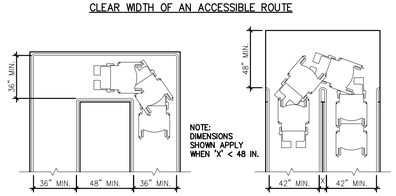
309 OPERABLE PARTS

ANSI 402.2 COMPONENTS. ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A SLOPE NOT STEEPER THAN 1:20, DOORWAYS, RAMPS, CURB RAMPS, ELEVATORS, AND WHEELCHAIR (PLATFORM LIFTS)

402 ACCESSIBLE ROUTES



CLEAR WIDTH OF AN ACCESSIBLE ROUTE



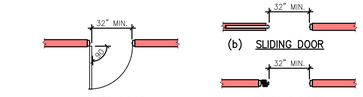
(a) 90 DEG. TURN

(b) 180 DEG. TURNS

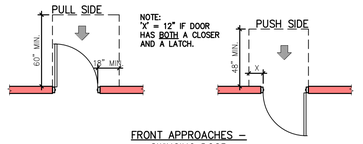
ACCESSIBLE ROUTE WIDTH FOR TURNS

ANSI 403.3 SLOPE. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20. THE CROSS SLOPE OF A WALKING SURFACE SHALL NOT BE STEEPER THAN 1:48.
ANSI 403.5.2 PASSING SPACE. AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN 60 IN. (1525 M.M.) SHALL PROVIDE PASSING SPACES AT INTERVALS OF 200 FT. (61 M.) MAXIMUM. THESE PASSING SPACES SHALL BE EITHER A 60 IN. BY 60 IN. (1525 M.M. BY 1525 M.M.) MINIMUM SPACE, OR AN INTERSECTION OF TWO WALKING SURFACES WHICH PROVIDE A T-SHAPED TURNING SPACE COMPLYING WITN ANSI SECTION 304

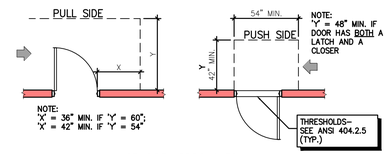
403 WALKING SURFACES



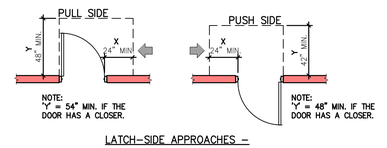
CLEAR WIDTH OF DOORWAYS



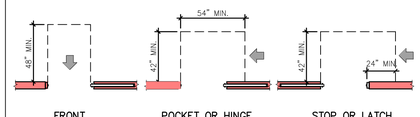
FRONT APPROACHES – SWINGING DOOR



HINGE-SIDE APPROACHES – SWINGING DOOR



LATCH-SIDE APPROACHES – SWINGING DOOR



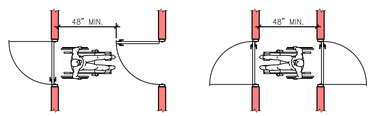
FRONT APPROACH – SLIDING DOOR AND FOLDING DOORS

POCKET OR HINGE APPROACH – SLIDING DOOR AND FOLDING DOORS

STOP OR LATCH APPROACH – SLIDING DOOR AND FOLDING DOORS

NOTE:
ALL DOORS IN ALCOVES SHALL COMPLY WITH THE CLEARANCES FOR FRONT APPROACHES.

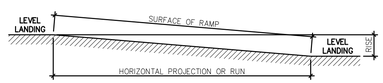
MANEUVERING CLEARANCES AT DOORS



TWO HINGED DOORS IN SERIES

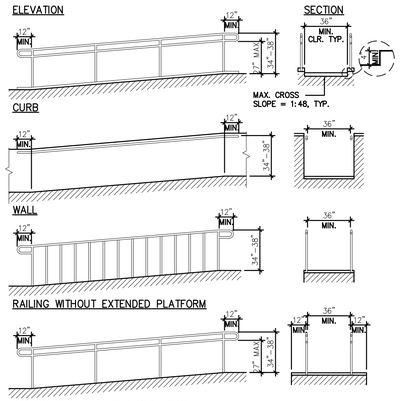
ANSI 404.2.1 REVOLVING DOORS AND TURNSTILES. REVOLVING DOORS OR TURNSTILES SHALL NOT BE PART OF AN ACCESSIBLE ROUTE
ANSI 404.2.2 DOUBLE-LEAF DOORWAYS. AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO INDEPENDENTLY OPERATED LEAVES SHALL COMPLY WITH SECTIONS 404.2.3 AND 404.2.4
ANSI 404.2.4 MANUEVERING CLEARANCES AT DOORS MINIMUM MANUEVERING CLEARANCES AT DOORS SHALL COMPLY WITH SECTION 404.2.4.1 THROUGH 404.2.4.7 EXCEPTION DOORS TO HOSPITAL BEDROOMS SHALL BE EXEMPT FROM THE REQUIREMENT FOR SPACE AT THE LATCH SIDE OF DOOR PROVIDED THE DOOR IS 44 IN. (1120 M.M.) WIDE MINIMUM.
ANSI 404.2.4.4 RECESSED DOORS WHERE THE PLANE OF THE DOORWAY IS RECESSED MORE THAN 8 IN. FROM THE PLANE OF THE WALL, CLEARANCES FOR FRONT APPROACH SHALL BE PROVIDED
ANSI 404.2.4.5 FLOOR OR GROUND SURFACE. FLOOR OR GROUND SURFACE WITHIN THE MANEUVERING CLEARANCES SHALL SHALL COMPLY WITH SECTION 302 AND SHALL HAVE A SLOPE NOT STEEPER THAN 1:48
ANSI 404.2.5 THRESHOLDS AT DOORWAYS. THRESHOLDS, IF PROVIDED, AT DOORWAYS SHALL BE 1/2 IN. (13 M.M.) HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH SECTIONS 302 AND 303
ANSI 404.2.6 DOORS IN A SERIES DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN A SERIES SHALL BE 48 IN. (1220 MM) MINIMUM PLUS THE WIDTH OF ANY DOOR SWING INTO THE SPACE. DOORS IN A SERIES SHALL SWING EITHER IN THE SAME DIRECTION OR AWAY FROM SPACE BETWEEN DOORS.
ANSI 404.2.7 DOOR HARDWARE. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. SUCH HARDWARE SHALL BE 3 IN. (865 MM) MIN. AND 48 IN.(1220 MM) MAX. ABOVE THE FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.
ANSI 404.2.8.1 DOOR CLOSERS DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES WILL BE 5 SECONDS MINIMUM.
ANSI 404.2.8.2 SPRING HINGES DOOR SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MIN. MEASURED UNDER AMBIENT CONDITIONS.
ANSI 404.2.9 DOOR-OPENING FORCE. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE MAXIMUM FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE AS FOLLOWS:
– INTERIOR HINGED DOOR: 5.0 LB. (22.2 N.)
– SLIDING / FOLDING DOOR: 5.0 LB. (22.2 N.)
THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DIS-ENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.
ANSI 404.2.10 DOOR SURFACE. DOOR SURFACES WITHIN 10 IN. (255 MM) OF THE FLOOR OR GROUND MEASURED VERTICALLY SHALL BE SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN SUCH SURFACE SHALL BE WITHIN 1/16 IN. OF THE SAME PLANE AS THE OTHER. CAVITIES CRATED BY ADDED KICK PLATES SHALL BE CAPPED.
ANSI 404.3 AUTOMATIC DOORS. ... FULL POWERED AUTOMATIC DOORS SHALL COMPLY WITH ANSI/BHMA A156.10. LOW-ENERGY AND POWER-ASSISTED DOORS SHALL COMPLY WITH ANSI/BHMA A156.19

404 DOORS AND DOORWAYS



SLOPE	MAXIMUM RISE		MAXIMUM HORIZONTAL PROJECTION	
1:12 TO 1:15	30 INCHES	760 M.M.	30 FT.	9 M.
1:16 TO 1:19	30 INCHES	760 M.M.	40 FT.	12 M.
1:20	30 INCHES	760 M.M.	50 FT.	15 M.

COMPONENTS OF A SINGLE RAMP RUN AND SAMPLE RAMP DIMENSIONS



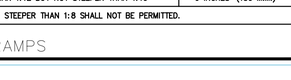
EXAMPLE OF CLEAR WIDTH AND EDGE PROTECTION

ANSI 405.1 GENERAL WALKING SURFACES ON ACCESSIBLE ROUTES WITH A RUNNING SLOPE STEEPER THAN 1:20 ARE RAMPS AND SHALL COMPLY WITH SECTION 405
ANSI 405.2 SLOPE RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12
ANSI 405.3 CROSS SLOPE CROSS SLOPE OF RAMP RUNS SHALL NOT BE STEEPER THAN 1:48
ANSI 405.5 CLEAR WIDTH THE CLEAR WIDTH OF A RAMP RUN SHALL BE 36 IN. (915 MM) MIN.
ANSI 405.6 RISE THE RISE OF ANY RAMP RUN SHALL BE 30 IN. (760 MM) MAX.
ANSI 405.7 LANDINGS. RAMPS SHALL HAVE LANDINGS AT BOTTOM AND TOP OF EACH RUN. LANDINGS SHALL COMPLY WITH SECTION 405.7.1 THROUGH 405.7.5
ANSI 405.7.1 SLOPE LANDINGS SHALL HAVE A SLOPE NOT STEEPER THAN 1:48 AND SHALL COMPLY WITH SECTION 302
ANSI 405.7.2 WIDTH CLEAR WIDTH OF LANDINGS SHALL BE AT LEAST AS WIDE AS THE WIDEST PART OF THE RAMP RUN LEADING TO THE LANDING
ANSI 405.7.3 LENGTH LANDING LENGTH SHALL BE 60 IN (1525 MM) MINIMUM CLEAR
ANSI 405.7.4 CHANGE IN DIRECTION RAMPS THAT CHANGE DIRECTION AT LANDINGS SHALL HAVE A 60 IN (1525 MM) MIN. BY 60 IN. MIN. LANDING
ANSI 405.7.5 DOORWAYS WHERE DOORWAYS ARE ADJACENT TO A RAMP LANDING, MANUEVERING CLEARANCES REQUIRED BY SECTIONS 404.2.4 AND 404.3.2 SHALL BE PERMITTED TO OVERLAP THE LANDING AREA.
ANSI 405.8 HANDRAILS. RAMPS WITH A RISE GREATER THAN 6 IN. (150 M.M.) SHALL HAVE HANDRAILS COMPLYING WITH SECTION 505. HANDRAILS SHALL NOT REDUCE THE REQUIRED CLEARANCE OF A RAMP OR LANDING.

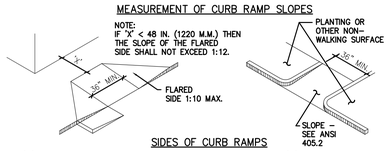
(TABLE 405.2)
ALLOWABLE RAMP DIMENSIONS FOR CONSTRUCTION IN EXISTING SITES, BUILDINGS, AND FACILITIES

SLOPE *	MAXIMUM RISE
STEEPER THAN 1:10 BUT NOT STEEPER THAN 1:8	3 INCHES (75 M.M.)
STEEPER THAN 1:12 BUT NOT STEEPER THAN 1:10	6 INCHES (150 M.M.)
* A SLOPE STEEPER THAN 1:8 SHALL NOT BE PERMITTED.	

405 RAMPS



MEASUREMENT OF CURB RAMP SLOPES



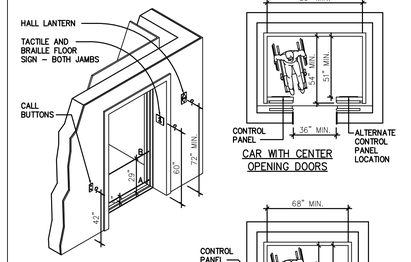
(a) FLARED SIDES

(b) RETURNED CURB

SIDES OF CURB RAMPS

ANSI 406.3 COUNTER SLOPE COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP OR ACCESSIBLE ROUTE SHALL NOT BE STEEPER THAN 1:20. TRANSITIONS FROM RAMPS TO WALKS, GUTTERS OR STREETS SHALL BE AT THE SAME LEVEL.
ANSI 406.7 LOCATION CURB RAMPS AND THEIR SIDE FLARES SHALL NOT PROTRUDE INTO VEHICULAR TRAFFIC LANES, PARKING SPACES, OR INTO PARKING SPACE ACCESS AISLES.
ANSI 406.8 OBSTRUCTIONS CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED VEHICLES.
ANSI 406.10 LOCATION AT MARKED CROSSINGS CURB RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.
ANSI 406.11 DIAGONAL CURB RAMPS DIAGONAL OR CORNER TYPE CURB RAMPS WITH RETURNED CURBS OR OTHER WELL-DEFINED EDGES SHALL HAVE THE EDGES PARALLEL TO THE DIRECTION OF PEDESTRIAN FLOW. BOTTOMS OF DIAGONAL CURB RAMPS SHALL HAVE 48 INCHES (1220 MM) MINIMUM CLEAR SPACE, MEASURED PARALLEL TO THE RUNNING SLOPE. DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF STRAIGHT CURB 24 INCHES (610 MM) LONG MINIMUM ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING.
ANSI 406.12 ISLANDS RAISED ISLANDS IN CROSSINGS SHALL BE CUT THROUGH LEVEL WITH THE STREET OR HAVE CURB RAMPS AT BOTH SIDES, AND A LEVEL AREA 48 INCHES (915 MM) WIDE MINIMUM, IN THE PART OF THE ISLAND INTERSECTED BY THE CROSSING.

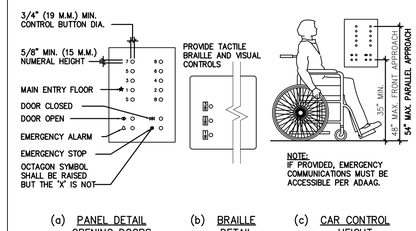
406 CURB RAMPS



NOTE:
THE AUTOMATIC DOOR REOPENING DEVICE IS ACTIVATED IF AN OBJECT PASSES THROUGH EITHER LINE 'A' OR LINE 'B'. LINE 'A' AND LINE 'B' REPRESENT THE VERTICAL LOCATIONS OF THE DOOR REOPENING DEVICE NOT REQUIRING CONTACT.

TABLE 407.2.8 – MINIMUM DIMENSION OF ELEVATOR CARS

DOOR LOCATION	DOOR CLEAR WIDTH	INSIDE CAR, SIDE TO SIDE	INSIDE CAR, BACK WALL TO FRONT RETURN	INSIDE CAR, BACK WALL TO INSIDE FACE OF DOOR
CENTERED	42 INCHES (1065 MM)	80 INCHES (2030 MM)	51 INCHES (1295 MM)	54 INCHES (1370 MM)
SIDE (OFF CENTER)	36 INCHES (915 MM)	68 INCHES (1725 MM)	51 INCHES (1295 MM)	54 INCHES (1370 MM)
ANY	36 INCHES (915 MM)	54 INCHES (1370 MM)	80 INCHES (2030 MM)	80 INCHES (2030 MM)
ANY	36 INCHES (915 MM)	60 INCHES (1525 MM)	60 INCHES (1525 MM)	60 INCHES (1525 MM)



NOTE:
IF PROVIDED, EMERGENCY COMMUNICATIONS MUST BE ACCESSIBLE PER ADAAG.

(a) PANEL DETAIL OPENING DOORS

(b) BRAILLE DETAIL

(c) CAR CONTROL HEIGHT

CAR CONTROLS

ANSI 407.1 GENERAL. ELEVATORS REQUIRED TO BE ACCESSIBLE SHALL COMPLY WITH SECTION 407.2 DESTINATION ORIENTED ELEVATORS REQUIRED TO BE ACCESSIBLE SHALL COMPLY WITH SECTION 407.3 LIMITED USE/LIMITED APPLICATION ELEVATORS REQUIRED TO BE ACCESSIBLE SHALL COMPLY WITH SECTION 407.4 ALTERED ELEMENTS OF EXISTING ELEVATORS SHALL COMPLY WITH SECTION 407.5
ANSI 407.2.6 DOOR AND SIGNAL TIMING FOR HALL CALLS. THE MINIMUM ACCEPTABLE TIME FROM NOTIFICATION THAT A CAR IS ANSWERING A CALL UNTIL THE DOOR STARTS TO CLOSE SHALL BE CALCULATED FROM ONE OF THE FOLLOWING EQUATION, BUT NOT LESS THAN 5 SECONDS

$$T = \frac{D}{1.5\ ft./s}$$

OR

$$T = \frac{D}{455\ m.m./s} = 5\ \text{SECONDS MINIMUM}$$

WHERE 'T' = TOTAL TIME IN SECONDS AND 'D' = DISTANCE (IN FEET OR MILLIMETERS) FROM THE POINT IN THE LOBBY OR CORRIDOR 60 IN. (1525 M.M.) DIRECTLY IN FRONT OF THE FARTHEST CALL BUTTON CONTROLLING THAT CAR TO THE CENTERLINE OF ITS HOISTWAY DOOR. FOR CARS WITH IN-CAR SIGNALS, 'T' BEGINS WHEN THE SIGNAL IS VISIBLE FROM THE POINT 60 IN. (1525 M.M.) DIRECTLY IN FRONT OF THE FARTHEST HALL CALL BUTTON AND THE AUDIBLE SIGNAL IS SOUNDED.
ANSI 407.2.7 DOOR DELAY FOR CAR CALLS. ELEVATOR DOORS SHALL REMAIN FULLY OPEN IN RESPONSE TO A CAR CALL FOR 3 SECONDS MINIMUM.
ANSI 407.2.8 INSIDE DIMENSIONS OF ELEVATOR CARS. THE CLEAR WIDTH OF ELEVATOR DOORS AND THE INSIDE DIMENSIONS FO THE ELEVATOR CARS SHALL COMPLY WITH TABLE 405.2.8

407 ELEVATORS

ANSI 408.1 GENERAL. WHEELCHAIR (PLATFORM) LIFTS SHALL NOT BE ATTENDANT-OPERATED AND SHALL PROVIDE UNASSISTED ENTRY AND EXIT FROM THE LIFT.
ANSI 408.2 DOORS AND GATES. LIFTS SHALL HAVE LOW ENERGY POWER-OPERATED DOORS OR GATES COMPLYING WITH SEC. 404.3. DOORS AND GATES SHALL REMAIN OPEN FOR 20 SECONDS MINIMUM. END DOORS SHALL BE 32 IN. MIN. CLEAR WIDTH. SIDE DOORS SHALL BE 42 IN. MIN. CLEAR WIDTH

408 WHEELCHAIR (PLATFORM) LIFTS

Rev	Date	Description
1	10/24/2019	BLDG. DEPT. CORRECTIONS
2	11/14/2019	BLDG. DEPT. CORRECTIONS
3	03/04/2020	BLDG. DEPT. CORRECTIONS

Stamp:

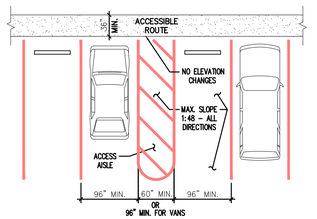
Phone: (702) 868-0900 Fax: (866) 248-6564
ASSURED DEVELOPMENT
2 IDAHO WAY, HENDERSON, NEVADA 89015

CONSTRUCTION DOCUMENTS FOR:
635 WEST LAKE MEAD COMMERCIAL BUILDING
635 WEST LAKE MEAD PARKWAY
HENDERSON, NEVADA 89015
APN # 178-13-717-006 & 008

DATE 03-04-2020
PHASE CONST. DOCS. SUBMITTAL
PROJECT NO. 008-19012
SHEET NO. AN-01
ANSI REQUIREMENTS

ALL SITE WORK, COMMERCIAL BUILDINGS, RECREATION BUILDINGS AND ACCESSIBLE LIVING UNITS MUST CONFORM TO ICC / ANSI A117.1 – 2009 AND ADAAG.

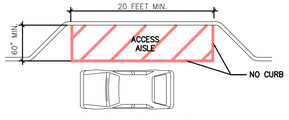
SHEETS AN01 THRU AN02 ARE REPRINTED WITH PERMISSION OF THE INTERNATIONAL CODE COUNCIL , I.C.C. THEY ARE INTENDED AS A GUIDE ONLY FOR THE MORE COMMON ELEMENTS OF ACCESSIBLE BUILDINGS. EACH CONTRACTOR, SUB-CONTRACTOR AND SUPPLIER IS REQUIRED TO MEET ALL REQUIREMENTS OF ICC / ANSI. REPORT DISCREPANCIES IN THE DRAWINGS TO THE ARCHITECT.



DIMENSIONS OF PARKING SPACES

ANSI 502.2 VEHICLE SPACES. CAR AND VAN PARKING SPACES SHALL BE 96 IN (2440 MM) WIDE MIN. AND SHALL HAVE AN ADJACENT ACCESS AISLE COMPLYING WITH SECTION 502.3.
ANSI 502.3 ACCESS AISLE ACCESS AISLES SERVING PARKING SPACES SHALL COMPLY WITH SECTIONS 502.3.1 THROUGH 502.3.3. PARKING ACCESS AISLES SHALL BE PART OF AN ACCESSIBLE ROUTE TO THE BUILDING OR FACILITY ENTRANCE AND SHALL COMPLY WITH SECTION 402. TWO PARKING SPACES SHALL BE PERMITTED TO SHARE A COMMON ACCESS AISLE. PARKED VEHICLE OVERHANGS SHALL NOT REDUCE THE CLEAR WIDTH OF AN ACCESSIBLE ROUTE.
ANSI 502.3.1 WIDTH ACCESS AISLES SERVING CAR PARKING SPACES SHALL BE 60" WIDE MIN. ACCESS AISLES SERVING VAN PARKING SPACES SHALL BE 96" WIDE MIN.
ANSI 502.3.2 LENGTH ACCESS AISLES SHALL EXTEND TO THE FULL LENGTH OF THE PARKING SPACE THEY SERVE.
ANSI 502.5 VERTICAL CLEARANCE PARKING SPACES FOR VANS SHALL HAVE A VERTICAL CLEARANCE OF 98 IN. (2490MM) MIN. AT THE SPACE AND ALONG THE VEHICULAR ROUTE THERETO

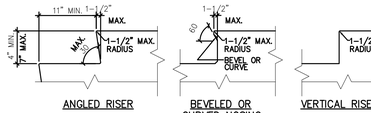
502 PARKING SPACES



PASSENGER LOADING ZONE ACCESS AISLE

ANSI 503.2 VEHICLE PULL-UP SPACE PASSENGER LOADING ZONES SHALL PROVIDE AN ACCESS AISLE COMPLYING WITH SECTION 503.3 ADJACENT AND PARALLEL TO A VEHICLE PULL-UP SPACE.
ANSI 503.3 ACCESS AISLE ACCESS AISLES SERVING PASSENGER LOADING ZONES SHALL COMPLY SECTIONS 302 AND SECTIONS 503.3.1 THROUGH 503.3.3. ACCESS AISLES SHALL BE PART OF AN ACCESSIBLE ROUTE TO THE BUILDING OR FACILITY ENTRANCE AND SHALL COMPLY WITH SECTION 402.
ANSI 503.3.1 WIDTH ACCESS AISLES SERVING VEHICLE PULL-UP SPACES SHALL BE 60 IN. WIDE MIN.
ANSI 503.3.2 LENGTH ACCESS AISLES SHALL BE 20 FEET (6100 MM) LONG MIN.

503 PASSENGER LOADING ZONES

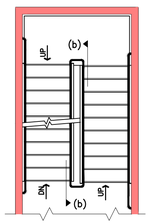


ANGLED RISER | BEVELED OR CURVED NOSING | VERTICAL RISER

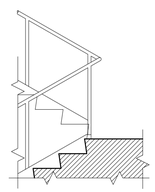
USABLE TREAD WIDTH AND EXAMPLES OF ACCEPTABLE PROTRUDING NOSINGS

ANSI 504.3 OPEN RISERS. OPEN RISERS SHALL NOT BE PERMITTED.
ANSI 504.7 OUTDOOR CONDITIONS. OUTDOOR STAIRS AND OUTDOOR APPROACHES TO STAIRS SHALL BE DESIGNED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES.

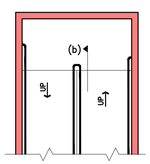
504 STAIRWAYS



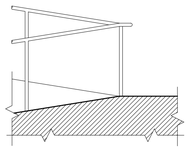
(a) STAIR PLAN



(b) STAIR ELEVATION OF CENTER HANDRAIL



(c) RAMP PLAN

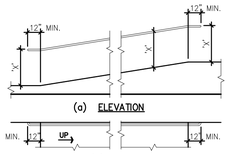


(d) RAMP ELEVATION OF CENTER HANDRAIL

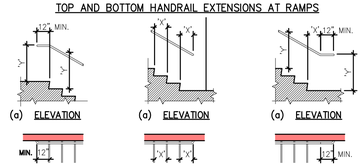
CONTINUOUS INSIDE HANDRAIL

ANSI 505.2 LOCATION HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS AND RAMPS.
ANSI 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 OR RAMPS SHALL BE CONTINUOUS BETWEEN FLIGHTS OR RUNS.
ANSI 505.6 GRIPPING SURFACE GRIPPING SURFACES SHALL BE COUNTINUOUS, WITHOUT INTERRUPTION BY NEWEL POSTS, OTHER CONSTRUCTION ELEMENTS, OR OBSTRUCTIONS.
ANSI 505.8 SURFACES ... EDGES SHALL HAVE 1/8 IN. (3.2 M.M.) MINIMUM RADIUS.
ANSI 505.9 FITTINGS HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

505 HANDRAILS



TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS



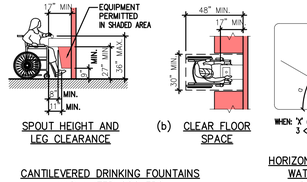
TOP HANDRAIL EXTENSIONS AT STAIRS | BOTTOM HANDRAIL EXTENSIONS AT STAIRS | BOTTOM HANDRAIL EXTENSIONS AT STAIRS

ANSI 505.10.1 RAMP HANDRAILS SHALL EXTEND HORIZONTALLY 12 IN. MIN. BEYOND THE TOP AND BOTTOM OF RAMP RUNS. SUCH EXTENTION SHALL RETURN TO A WALL, GUARD, OR THE WALKING SURFACE OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT RAMP RUN
ANSI 505.10.2 AT THE TOP OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12 IN. MIN. BEGINNING DIRECTLY ABOVE THE FIRST RISER NOSING. SUCH EXTENTION SHALL RETURN TO A WALL, GUARD, OR THE WALKING SURFACE OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT
ANSI 505.10.3 AT THE BOTTOM OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND AT THE SLOPE OF THE STAIR FLIGHT FOR A HORIZONTAL DISTANCE EQUAL TO ONE TREAD DEPTH BEYOND THE LAST RISER NOSING. SUCH EXTENTION SHALL CONTINUE WITH A HORIZONTAL EXTENTION OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT OR SHALL RETURN TO A WALL, GUARD, OR THE WALKING SURFACE. IF PROVIDED AT THE BOTTOM OF A STAIR FLIGHT, A HORIZONTAL EXTENTION SHALL BE 12 IN. LONG MIN. AND HEIGHT EQUAL TO THAT OF THE SLOPING PORTION OF THE HANDRAIL AS MEASURED ABOVE THE STAIR NOSING. SUCH EXTENTION SHALL RETURN TO A WALL, GUARD, OR THE WALKING SURFACE OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT

505 HANDRAIL (CONT.)

ANSI 506 WINDOWS. ACCESSIBLE WINDOWS SHALL HAVE OPERABLE PARTS COMPLYING WITH SECTION 309

506 WINDOWS



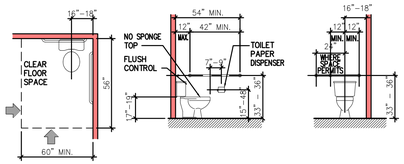
SPOUT HEIGHT AND LEG CLEARANCE | (b) CLEAR FLOOR SPACE | HORIZONTAL ANGLE OF WATER STREAM PLAN VIEW

ANSI 602.2.1 FORWARD APPROACH WHERE A FORWARD APPROACH IS PROVIDED, THE CLEAR FLOOR OR GROUND SPACE SHALL BE CENTERED ON THE UNIT AND SHALL INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306
ANSI 602.2.2 PARALLEL APPROACH WHERE A PARALLEL APPROACH IS PROVIDED, THE CLEAR FLOOR OR GROUND SPACE SHALL BE CENTERED ON THE UNIT.
ANSI 602.3 OPERABLE PARTS OPERABLE PARTS COMPLY WITH SECTION 309
ANSI 602.4 SPOUT HEIGHT SPOUT OUTLETS SHALL BE 36 IN. (915 MM) ABOVE THE FLOOR OR GROUND
ANSI 602.5 SPOUT LOCATION. UNITS WITH A PARALLEL APPROACH SHALL HAVE THE SPOUT 3 1/2" (89 MM) MAX. FROM THE FRONT EDGE OF THE UNIT INCLUDING BUMPERS. UNITS WITH A FORWARD APPROACH SHALL HAVE THE SPOUT 15 IN. (380 MM) MIN. FROM THE VERTICAL SUPPORT AND 5 IN. (125 MM) MAXIMUM FROM THE FRONT EDGE TO THE UNIT, INCLUDING BUMPERS.
ANSI 602.6 WATER FLOW. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4 IN. (100 M.M.) HIGH MINIMUM TO ALLOW THE INSERTION OF A HAND OR GLASS UNDER THE FLOW OF WATER
THE ANGLE OF THE WATER STREAM FROM SPOUTS LOCATED WITHIN 3 IN. (75 MM.) OF THE FRONT OF THE UNIT SHALL BE 30 DEGREES MAXIMUM. THE ANGLE OF THE WATER STREAM FROM SPOUTS BETWEEN 3 IN. AND 5 IN (75 MM.) AND 125 MM.) FROM THE FRONT OF THE UNIT SHALL BE 15 DEGREES MAXIMUM. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY, RELATIVE TO THE FRONT FACE OF THE UNIT.

602 DRINKING FOUNTAINS & WATER COOLERS

ANSI 603.2 .2 OVERLAP CLEAR FLOOR GROUND SPACES, CLEARANCES AT FIXTURES, AND WHEELCHAIR TURNING SPACES SHALL BE PERMITTED TO OVERLAP
ANSI 603.2.3 DOORS A WHEELCHAIR TURNING SPACE COMPLYING WITH DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE REQUIRED FOR ANY FIXTURE EXCEPTION: WHERE THE ROOM IS FOR INDIVIDUAL USE AND A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 305.3 IS PROVIDED BEYOND THE ARC OF THE DOOR SWING
ANSI 603.3 MIRRORS. MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE TO THE REFLECTING SURFACE 40 IN. (1015 MM.) MAXIMUM ABOVE THE FLOOR OR GROUND
ANSI 603.4 COAT HOOKS AND SHELVES COAT HOOKS PROVIDED WITHIN TOILET ROOMS SHALL ACCOMMODATE A FORWARD REACH OR SIDE REACH COMPLYING WITH SECTION 308. WHERE PROVIDED, A FOLD-DOWN SHELF SHALL BE 40 IN (1015 MM) MIN. AND 48 IN. (1220 MM) MAX. ABOVE THE FLOOR OR GROUND

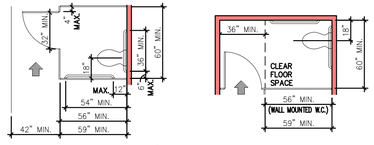
603 TOILET AND BATHING ROOMS

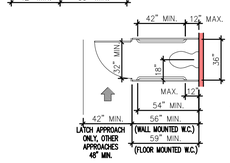


CLEAR FLOOR SPACE AT WATER CLOSET | WATER CLOSET SIDE VIEW | WATER CLOSET FRONT VIEW

604 WATER CLOSETS AND TOILET COMPARTMENTS

ANSI 604.2 LOCATION THE WATER CLOSETS SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 16 IN. (405 MM) MIN. TO 18 IN (455 MM) MAX. FROM THE SIDE WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE CENTERED IN THE AMBULATORY COMPARTMENT SPECIFIED IN SECTION 604.8.2
ANSI 604.3.1 SIZE CLEARANCE AROUND THE WATER CLOSET SHALL BE 60 IN (1220 MM) MIN. MEASURED PERPENDICULAR FROM THE SIDE WALL, AND 56 IN (1420 MM) MIN. MEASURED PERPENDICULAR FROM THE REAR WALL. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE WITHIN THE WATER CLOSET CLEARANCE.
ANSI 604.4 HEIGHT THE TOP OF WATER CLOSET SEATS SHALL BE 17 IN (430MM) MIN AND 19 IN (485 MM) MAX. ABOVE THE FLOOR OR GROUND. SEATS SHALL NOT RETURN AUTOMATICALLY TO THE LIFTED POSITION.
ANSI 604.5.1 SIDE WALL SIDE WALL GRAB BAR SHALL BE 42 IN (1065 MM) LONG MIN., 12 IN (305 MM) MAX. FROM THE REAR WALL AND EXTENDING 54 IN (1370 MM) MIN FROM THE REAR WALL
ANSI 604.5.2 REAR WALL THE REAR WALL GRAB BAR SHALL BE 24 IN (610 MM) LONG MIN. CENTERED ON THE WATER CLOSET WHERE SPACE PERMITS, THE BAR SHALL BE 36 IN (915 MM) LONG MIN. WITH THE ADDITIONAL LENGTH PROVIDED ON THE TRANSFER SIDE OF THE WATER CLOSET.
ANSI 604.6 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH SECTION 309
ANSI 604.7 DISPENSERS. TOILET PAPER DISPENSERS SHALL COMPLY WITH SECTION 309.4 AND SHALL BE 7 IN (180 MM.) MIN. AND 9 IN. (230 MM) MAX. IN FRONT OF THE WATER CLOSET. THE OUTLET OF THE DISPENSER SHALL BE 15 IN (380 MM) MIN. AND 48 IN (1220 MM) MAX. ABOVE THE FINISH FLOOR OR GROUND. THERE SHALL BE A CLEARANCE OF 1 1/2 IN. (38 MM) MIN. BELOW AND 12 IN. (305 MM) MIN. ABOVE THE GRAB BAR. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROL DELIVERY, OR THAT DO NOT ALLOW CONTINUOUS PAPER FLOW.



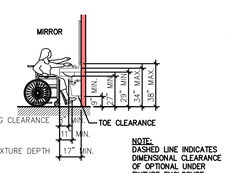


AMBULATORY ACCESSIBLE STALL

ANSI 604.8 TOILET COMPARTMENTS ACCESSIBLE TOILET COMPARTMENTS SHALL COMPLY WITH SECTIONS 604.8.1 THROUGH 604.8.5. COMPARTMENTS CONTAINING ONE OR MORE PLUMBING FIXTURE SHALL COMPLY WITH SECTION 603. WATER CLOSETS IN ACCESSIBLE TOILET COMPARTMENTS SHALL COMPLY WITH SECTIONS 604.1 THROUGH 604.7
ANSI 604.8.1 WHEELCHAIR ACCESSIBLE COMPARTMENTS
ANSI 604.8.1.1 SIZE WHEELCHAIR ACCESSIBLE COMPARTMENTS SHALL BE 60 IN. (1525 MM) WIDE MEASURED PERPENDICULAR TO THE SIDE WALL AND 59 IN. (1500 MM) DEEP MIN. FOR WALL HUNG WATER CLOSETS AND 59 IN. (1500 MM) DEEP MIN. FOR FLOOR MOUNTED WATER CLOSETS, MEASURED PERPENDICULAR TO THE REAR WALL
ANSI 604.8.1.2 DOORS COMPARTMENT DOORS NOT SHALL SWING INTO THE MINIMUM REQUIRED COMPARTMENT SIZE
ANSI 604.8.1.3 APPROACH COMPARTMENT ARRANGEMENTS SHALL BE PERMITTED FOR LEFT-HAND OR RIGHT-HAND APPROACH TO THE WATER CLOSET.
ANSI 604.8.1.4 TOE CLEARANCE IN WHEELCHAIR ACCESSIBLE COMPARTMENTS, THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE COMPLYING WITH SECTION 306.2 AND EXTENDING 6 IN (150 MM) BEYOND THE COMPARTMENT-SIDE FACE OF PARTITION, EXCLUSIVE OF PARTITION SUPPORT MEMBERS. TOE CLEARANCE AT THE FRONT OF THE PARTITION IS NOT REQUIRED IN A COMPARTMENT GREATER THAN 62" (1575 MM) DEEP WITH A WALL HUNG WATER CLOSET OR 65 IN. (1650 MM) DEEP WITH A FLOOR MOUNTED WATER CLOSET. TOE CLEARANCE AT THE SIDE PARTITION IS NOT REQUIRED IN A COMPARTMENT GREATER THAN 66 IN. (1675 MM) WIDE
ANSI 604.8.2 AMBULATORY ACCESSIBLE COMPARTMENTS AMBULATORY ACCESSIBLE COMPARTMENTS SHALL BE 60 IN. (1525 MM) DEEP MIN. AND 36 IN (915 MM) WIDE. COMPARTMENT DOORS SHALL NOT SWING INTO THE MINIMUM REQUIRED COMPARTMENT AREA
ANSI 604.8.3 DOORS TOILET COMPARTMENT DOORS SHALL COMPLY WITH SECTION 404, EXCEPT THAT IF THE APPROACH IS TO THE LATCH SIDE OF THE COMPARTMENT DOOR, THE CLEARANCE BETWEEN THE DOOR SIDE AND ANY OBSTRUCTION SHALL BE 42 IN. (1060 MM) MIN.
ANSI 604.8.4 GRAB BARS
ANSI 604.8.4.1 WHEELCHAIR ACCESSIBLE COMPARTMENTS A SIDE WALL GRAB BAR COMPLYING WITH SECTION 604.5.1 SHALL BE PROVIDED ON THE WALL CLOSEST TO THE WATER CLOSET, AND A REAR-WALL GRAB BAR COMPLYING WITH SECTION 604.5.2 SHALL BE PROVIDED.
ANSI 604.8.4.2 AMBULATORY ACCESSIBLE COMPARTMENTS A SIDE WALL GRAB BAR COMPLYING WITH SECTION 604.5.1 SHALL BE PROVIDED ON BOTH SIDES OF THE COMPARTMENT

604 WATER CLOSETS AND TOILET COMPARTMENTS

605 URINALS



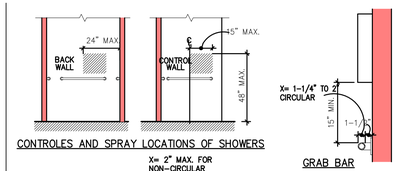
LEG CLEARANCES SPACE AT WATER CLOSET | CLEAR FLOOR SPACE AT LAVATORIES AND SINKS

ANSI 606.2 CLEAR FLOOR OR GROUND SPACE A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 305.3 POSITIONED FOR A FORWARD APPROACH, SHALL BE PROVIDED. KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 306 SHALL BE PROVIDED.

EXCEPTIONS
1. A PARALLEL APPROACH SHALL BE PERMITTED TO A KITCHEN SINK IN A SPACE WHERE A COOK TOP OR CONVENTIONAL RANGE IS NOT PROVIDED.
2. THE DIP OF THE OVERFLOW SHALL NOT BE CONSIDERED IN DETERMINING KNEE AND TOE CLEARANCES

ANSI 606.3 HEIGHT AND CLEARANCES THE FRONT OF LAVATORIES AND SINKS SHALL BE 34 IN. (865 MM) MAX. ABOVE THE FLOOR OR GROUND, MEASURED TO THE HIGHER OF THE FIXTURE RIM COUNTER SURFACE
ANSI 606.4 FAUCETS FAUCETS SHALL COMPLY WITH SECTION 309. HAND-OPERATED, SELF-CLOSING FACETS SHALL REMAIN OPEN FOR 10 SECONDS MIN.
ANSI 606.5 BOWL DEPTH SINKS SHALL BE 6 1/2 IN (165 MM) DEEP MAX. MULTIPLE COMPARTMENT SINKS SHALL HAVE AT LEAST ONE COMPARTMENT COMPLYING WITH THIS REQUIREMENT.
ANSI 606.6 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

606 LAVATORIES AND SINKS



CONTROLES AND SPRAY LOCATIONS OF SHOWERS | GRAB BAR

X= 2" MAX. FOR NON-CIRCULAR
4 TO 4.8 PERIMETER

ANSI 609.1 GENERAL GRAB BARS AND TUB AND SHOWER SEATS IN ACCESSIBLE TOILET OR BATHING FACILITIES SHALL COMPLY WITH SECTION 609.
ANSI 609.2 SIZE GRAB BARS SHALL HAVE A CIRCULAR CROSS SECTION WITH A DIAMETER OF 1 1/4 INCH (32 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM, OR SHALL PROVIDE EQUIVALENT GRASP ABILITY COMPLYING WITH SECTION 505.7.1
ANSI 609.3 SPACING THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1 1/2 INCHES (38 MM). THE SPACE BETWEEN THE GRAB BAR AND OBJECTS BELOW AND AT THE ENDS SHALL BE 1 1/2 INCHES (38 MM) MINIMUM. THE SPACE BETWEEN THE GRAB BAR AND PROJECTION OBJECTS ABOVE SHALL BE 15 INCHES (355 MM) MINIMUM.

EXCEPTIONS
1. THE SPACE BETWEEN THE GRAB BARS AND SHOWER CONTROLS, SHOWER FITTINGS, AND OTHER GRAB BARS ABOVE SHALL BE 1 1/2: INCHES (38 MM) MINIMUM.

ANSI 609.4 POSITION OF GRAB BARS.
POSITION, 33 IN. TO 36 IN. (840 MM. TO 915 MM.) ABOVE THE FLOOR, EXCEPT WHERE A SUPPLEMENTAL GRAB BAR IS INSTALLED IN RELATION TO A FIXTURE RIM OR SURFACE.
ANSI 609.8 STRUCTURAL STRENGTH. GRAB BARS SHALL BE MOUNTED IN A HORIZONTAL
SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 250 LB. (1112 N.) IS APPLIED AT ANY POINT ON THE GRAB BAR, SEAT, FASTENER MOUNTING DEVICE OR SUPPORTING STRUCTURE. ALLOWABLE STRESSES IN BENDING, SHEAR AND TENSION

609 GRAB BARS

610.2 BATHTUB SEATS. THE HEIGHT OF BATHTUB SEATS SHALL BE 17 INCHES (430 MM) MINIMUM TO 19 INCHES (485 MM) MAXIMUM ABOVE THE BATHROOM FLOOR, MEASURED TO THE TOP OF THE SEAT. REMOVABLE IN-TUB SEATS SHALL BE 15 INCHES (380 MM) MINIMUM AND 16 INCHES (405 MM) MAXIMUM IN DEPTH.
REMOVABLE IN-TUB SEATS SHALL BE CAPABLE OF SECURE PLACEMENT. PERMANENT SEATS SHALL BE 15 INCHES (380 MM) MINIMUM IN DEPTH AND SHALL EXTEND FROM THE BACK WALL TO OR BEYOND THE OUTER EDGE OF THE BATHTUB. MAXIMUM ABOVE THE BATHROOM FLOOR, MEASURED TO THE TOP OF THE SEAT.
REMOVABLE IN-TUB SEATS SHALL BE 15 INCHES (380 MM) MINIMUM AND 16 INCHES (405 MM) MAXIMUM IN DEPTH. REMOVABLE IN-TUB SEATS SHALL BE CAPABLE OF SECURE PLACEMENT. PERMANENT SEATS SHALL BE 15 INCHES (380 MM) MINIMUM IN DEPTH AND SHALL EXTEND FROM THE BACK WALL TO OR BEYOND THE OUTER EDGE OF THE BATHTUB. PERMANENT SEATS SHALL BE POSITIONED AT THE HEAD END OF THE BATHTUB.

ANSI 610.3 SHOWER COMPARTMENT SEAT WHERE A SEAT IS PROVIDED IN A ROLL-IN SHOWER COMPARTMENT, IT SHALL BE FOLDING TYPE AND SHALL BE ON THE WALL ADJACENT TO THE CONTROLS. SEAT SHALL BE L-SHAPED OR RECTANGULAR. THE TOP OF THE SEAT SHALL BE 17 IN. MIN. AND 19 IN. MAX. ABOVE THE BATHROOM FLOOR.
IN A TRANSFER SHOWER, THE SEAT SHALL EXTEND FROM THE BACK WALL TO A POINT WITHIN 3 IN. OF THE COMPARTMENTS ENTRY. IN ROLL-IN-TYPE SHOWERS, THE SEAT SHALL EXTEND FROM THE CONTROL WALL TO A POINT WITHIN 3 IN. OF THE MINIMUM REQUIRED SEAT WALL WIDTH.

610.31 RECTANGULAR SEATS. THE REAR EDGE OF A RECTANGULAR SEAT SHALL BE 2 ½ INCHES (64 MM) MAXIMUM AND THE FRONT EDGE 15 INCHES (380 MM) MINIMUM TO 16 INCHES (405 MM) MAXIMUM FROM THE SEAT WALL. THE SIDE EDGE OF THE SEAT SHALL BE 1 ½ INCHES 38 MM) MAXIMUM FROM THE BACK WALL OF A TRANSFER-TYPE SHOWER AND 1 ½ INCHES (38 MM) MAXIMUM FROM THE CONTROL WALL OF A ROLL-IN-TYPE SHOWER.
610.32 L-SHAPED SEATS. THE REAR EDGE OF AN L-SHAPED SEAT SHALL BE 2 ½ INCHES (64 MM) MAXIMUM AND THE FRONT EDGE 15 INCHES (380 MM) MINIMUM TO 16 INCHES (405MM) MAXIMUM FROM THE SEAT WALL. THE REAR EDGE OF THE "L" PORTION OF THE SEAT SHALL BE 1 ½ INCHES (38MM) MAXIMUM FROM THE WALL AND THE FRONT EDGE SHALL BE 14 INCHES (355 MM) MINIMUM AND 15 INCHES (380 MM) MAXIMUM FROM THE WALL. THE END OF THE "L" SHALL BE 22 INCHES (560 MM) MINIMUM AND 23 INCHES (585 MM) MAXIMUM FROM THE MAIN SEAT WALL.
610.4 STRUCTURAL STRENGTH. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHERE A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS (1112 N) IS APPLIED AT ANY POINT ON THE SEAT, FASTENER MOUNTING DEVICE, OR SUPPORTING STRUCTURE.
610.32 L-SHAPED SEATS. THE REAR EDGE OF AN L-SHAPED SEAT SHALL BE 2 ½ INCHES (64 MM) MAXIMUM AND THE FRONT EDGE 15 INCHES (380 MM) MINIMUM TO 16 INCHES (405MM) MAXIMUM FROM THE SEAT WALL. THE REAR EDGE OF THE "L" PORTION OF THE SEAT SHALL BE 1 ½ INCHES (38MM) MAXIMUM FROM THE WALL AND THE FRONT EDGE SHALL BE 14 INCHES (355 MM) MINIMUM AND 15 INCHES (380 MM) MAXIMUM FROM THE WALL. THE END OF THE "L" SHALL BE 22 INCHES (560 MM) MINIMUM AND 23 INCHES (585 MM) MAXIMUM FROM THE MAIN SEAT WALL.

610 SHOWER SEATS

611.2 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305, POSITIONED FPR PARALLEL APPROACH, SHALL BE PROVIDED. THE CLEAR FLOOR SPACE SHALL BE CENTERED ON THE APPLIANCE.
611.3 OPERABLE PARTS. OPERABLE PARTS, INCLUDING DOORS, LINT SCREENS, DETERGENT AND BLEACH COMPARTMENTS, SHALL COMPLY WITH SECTION 309.
611.4 HEIGHT. TOP LOADING MACHINES SHALL HAVE THE DOOR TO THE LAUNDRY COMPARTMENT 36 INCHES (915 MM) MAXIMUM ABOVE THE FLOOR. FRONT LOADING MACHINES SHALL HAVE THE BOTTOM OF THE OPENING TO THE LAUNDRY COMPARTMENT 15 INCHES (380 MM) MINIMUM AND 34 INCHES (865 MM) MAXIMUM ABOVE THE FLOOR.

611 WASHING MACHINES AND CLOTHES DRYERS

702.1 GENERAL. ACCESSIBLE AUDIBLE AND VISUAL ALARMS AND NOTIFICATION APPLIANCES SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72 LISTED IN SECTION 105.2.2. BE POWERED BY A COMMERCIAL LIGHT AND POWER SOURCE, BE PERMANENTLY CONNECTED TO THE WIRING OF THE PREMISES ELECTRIC SYSTEM, AND BE PERMANENTLY INSTALLED.

702 ALARMS

703.2.1 GENERAL. ACCESSIBLE SIGNS SHALL COMPLY WITH SECTION 703.
EXCEPTION: VISUAL CHARACTERS COMPLYING WITH SECTION 703.3 SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 703.2.
703.2.2 CASE. CHARACTERS SHALL BE UPPER CASE, LOWERCASE, OR A COMBINATION OF BOTH.
703.2.3 STYLE. CHARACTERS SHALL BE CONVENTIONAL IN FORM. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.
703.2.4 CHARACTER HEIGHT. THE UPPER CASE LETTER "I" SHALL BE USED TO DETERMINE THE ALLOWABLE HEIGHT OF ALL CHARACTERS OF A FONT. THE UPPER CASE LETTER "I" OF THE FONT SHALL HAVE A MINIMUM HEIGHT COMPLYING WITH TABLE 703.2.4. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN.
703.2.5 CHARACTER WIDTH. THE UPPER CASE LETTER "O" SHALL BE USED TO DETERMINE THE ALLOWABLE WIDTH OF ALL CHARACTERS OF A FONT. THE WIDTH OF THE UPPERCASE LETTER "O" OF THE FONT SHALL BE 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE "I" OF THE FONT.
703.2.6 STROKE WIDTH. THE UPPERCASE LETTER "I" SHALL BE USED TO DETERMINE THE ALLOWABLE STROKE WIDTH OF ALL CHARACTERS OF A FONT. THE STROKE WIDTH SHALL BE 10 PERCENT MINIMUM AND 30 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE "I" OF THE FONT.
703.2.7 CHARACTER SPACING. SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. SPACING BETWEEN INDIVIDUAL CHARACTERS SHALL BE 10 PERCENT MINIMUM AND 35 PERCENT MAXIMUM OF THE CHARACTER HEIGHT.
703.2.8 LINE SPACING. SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM TO 170 PERCENT MAXIMUM OF THE CHARACTER HEIGHT.
703.2.9 HEIGHT ABOVE FLOOR. VISUAL CHARACTERS SHALL BE 40 INCHES (1015 MM) MINIMUM ABOVE THE FLOOR OF THE VIEWING POSITION, MEASURED TO THE BASELINE OF THE CHARACTER. HEIGHTS SHALL COMPLY WITH TABLE 703.2.4, BASED ON THE SIZE OF THE CHARACTERS ON THE SIGN.
EXCEPTION: VISUAL CHARACTERS INDICATING ELEVATOR CAR CONTROLS SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 703.2.9.
703.2.10 FINISH AND CONTRAST. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND, WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND, OR DARK CHARACTERS ON A LIGHT BACKGROUND.

703 SIGNS

ANSI 704.1 GENERAL ACCESSIBLE PUBLIC TELEPHONES AND RELATED EQUIPMENT SHALL COMPLY WITH SECTION 704.
ANSI 704.2.1 CLEAR FLOOR OR GROUND SPACE A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 305 SHALL BE PROVIDED. THE CLEAR FLOOR OR GROUND SPACE SHALL NOT BE RESTRICTED BY BASES, ENCLOSURES, OR FIXED SEATS.
ANSI 704.2.1.1 PARALLEL APPROACH WHERE A PARALLEL APPROACH IS PROVIDE, TH

LANDSCAPE LEGEND

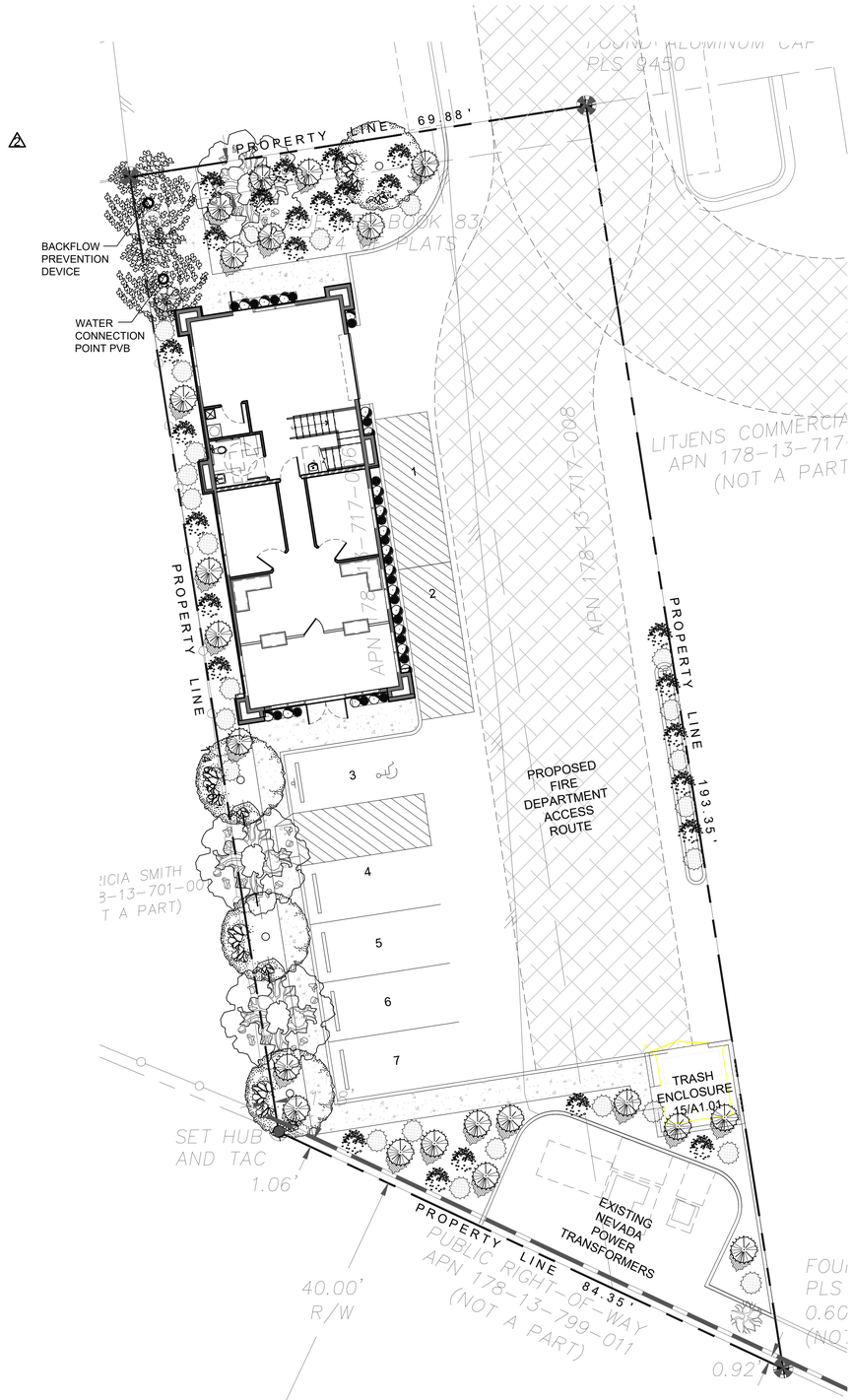
TREE SYMBOL	QTY.	SIZE	COMMON NAME
	04	24" BOX	DESERT WILLOW
	03	24" BOX	CHITALPA
	02	24" BOX	AFRICAN SUMAC
	23	5-GAL	FEATHERY CASSIA
	22	5-GAL	GREEN CLOUD TEXAS RANGER
	20	5-GAL	GOLD LANTANA
	20	5-GAL	RADIANT LANTANA
	27	5-GAL	YELLOW SAGE

LANDSCAPE PERCENTAGE

EXISTING PROPERTY S.F.	11,866 S.F.
REQUIRED LANDSCAPE S.F. (15%)	1,780 S.F.
PROVIDED LANDSCAPE S.F.	1,995 S.F.

EMITTER SCHEDULE

PLANT SIZE	QUANTITY PER PLANT
1 GALLON	1 EMITTER (1 GPH)
5 GALLON	2 EMITTER (1 GPH)
12 GALLON	3 EMITTER (2 GPH)
24" BOX	4 EMITTER (2 GPH)
36" BOX	6 EMITTER (2 GPH)
48" BOX	8 EMITTER (2 GPH)
60" BOX	12 EMITTER (2 GPH)
TORO TURBO-SC SERIES EMITTERS	



1 / L1.00 — LANDSCAPE PLAN

SCALE: 3/32" = 1'-0"

N

Rev	Date	Description
1	10/24/2019	BLDG. DEPT. CORRECTIONS
2	11/14/2019	BLDG. DEPT. CORRECTIONS
3	03/04/2020	BLDG. DEPT. CORRECTIONS

Stamp:

STATE OF NEVADA — R-2 GENERAL CONTRACTOR — ASSURED DEVELOPMENT INC. — LIC #85290 EXP 3/31/2021 — PROFESSIONAL CONTRACTOR

ASSURED DEVELOPMENT
2 IDAHO WAY, HENDERSON, NEVADA 89015
Phone: (702) 868-0900 Fax: (866) 248-6564

CONSTRUCTION DOCUMENTS FOR:

635 WEST LAKE MEAD COMMERCIAL BUILDING

635 WEST LAKE MEAD PARKWAY
HENDERSON, NEVADA 89015
APN # 178-13-717-006 & 008

DATE 03-04-2020
PHASE CONST. DOCS. SUBMITTAL
PROJECT NO. 008-19012
SHEET NO. L1.00
LANDSCAPE PLAN