

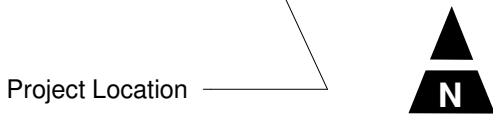
Tejon East Travel Plaza at Wheeler Ridge

ISSUED FOR PERMIT

5621 Outlets at Tejon Parkway
Wheeler Ridge, CA 93203

08/21/2019
Project #19027

Location Map



Code Data

Project Description
This project consists of the tenant space build out of an existing cold gray box shell building. The new space will become and A-2 restaurant use, with three quick-serve concepts: Dunkin'/Baskin Robbins, Jamba Juice and Charley's Philly Steaks. Each concept will have their own full back-of-house area including storage, prep, and cleaning, but the dining area and restrooms will be common use for the public and all three franchise concepts.

Applicable Codes
Kern County 2016 Code of Building Regulations
2016 California Code of Regulations (CCR), Title 24:
Part 1: 2016 California Building Standards Administrative Code
Part 2: 2016 California Building Code (CBC)
Part 3: 2016 California Electrical Code (CEC)
Part 4: 2016 California Mechanical Code (CMC)
Part 5: 2016 California Plumbing Code (CPC)
Part 6: 2016 California Energy Code
Part 9: 2016 California Fire Code
Part 11: 2016 California Green Building Standards Code (CALGreen Code)
Part 12: 2016 California Referenced Standards

CBC Chapter 3 - Use and Occupancy Classification
Use Group: A-2, Restaurant

CBC Chapter 4 - Special Detailed Requirements Based on Use and Occupancy
Special Detailed Requirements: N/A

CBC Chapter 5 - General Building Heights and Areas
Table 504.3 - Allowable Building Heights in Feet (Sprinklered, without area increase)
Use Group A-2 60'
Actual Height
Use Group A-2 26'-9"

Table 504.4 - Allowable Number Stories (Sprinklered, without area increase)
Use Group A-2 2 Stories
Actual Stories
Use Group A-2 1 Story

Table 506.2 - Allowable Building Area (A) (Sprinklered, one story)
Use Group A-2 24,000 SF
Actual Areas
Use Group A-2 5,040 SF (existing shell, no change)

CBC Chapter 6 - Construction Types
Construction Classification: 5B

Table 601 - Fire-Resistance Rating Requirements for Building Elements (hours)
Primary Structural Frame 0
Bearing Walls 0
Nonbearing walls and partitions Exterior Table 602
Nonbearing walls and partitions Interior 0
Floor construction and secondary members 0
Roof construction and secondary members 0

Table 602 - Fire Resistance Rating Requirements for Exterior Walls based on Fire Separation Distance
X <= 30 0 Hour Rating Required

CBC Chapter 7 - Fire and Smoke Protection Features
CBC 718.2.2 - Fireblocking, Concealed Wall Spaces
Fireblocking shall be installed in concealed spaces of stud walls vertically at the ceiling and floor level and horizontally at intervals not exceeding 10' - 0".

CBC 718.4.3 - Draftstopping
Draftstopping shall be installed in attics and concealed roof spaces, such that any horizontal area does not exceed 3,000 SF.
Exception 2: In Group A occupancy where an automatic sprinkler system in accordance with Section 903.3.1.1 is installed, the area between draft stops may be 9,000 SF and the greatest horizontal dimension may be 100 feet.

CBC Chapter 8 - Interior Finishes
Table 803.11 - Interior Wall and Ceiling Finish Requirements by Occupancy
Exit Enclosures and Passages B
Corridors B
Rooms and Enclosed Spaces C

CBC 804.4 - Interior Floor Finish Requirements
Group A-2, [Sprinklered] = Materials complying with ASTM Standard E648, and having a specific optical density smoke rating not to exceed 450 per ASTM E662 are permitted

CBC Chapter 9 - Fire Protection Systems
CBC 903.2 Automatic Sprinkler Systems
Automatic Sprinkler System required per Section 903.2.1.2, condition 1
Automatic Sprinkler system complying with CBC 903.2 provided.

CBC 907 - Fire Alarm and Detection Systems
A manual fire alarm system that activates the occupant notification system in accordance with 907.5 shall be installed in all Group A occupancies per Kern County Code of Building Regulations 17.08.325, amendment to CBC Section 907.2.1.

CBC Chapter 10 - Means of Egress
Table CBC 1004.1.2 Occupant Loads

Back of House Areas:	Dunkin'/Baskin	Jamba	Charleys
Kitchen (200 gross SF/person):	1,102 SF/200 = 6	502 SF/200 = 3	688 SF/200 = 4
Storage (300 gross SF/person):	115 SF/300 = 1	158 SF/300 = 1	150 SF/300 = 1
Office (100 gross SF/person):	41 SF/100 = 1	32 SF/100 = 1	32 SF/100 = 1
Total Occupants/Concept Space:	8	5	6

Common Areas:
Mechanical/Equipment (300 gross SF/person): 143 SF / 300 = 1 occupant
Dining (15 net SF/person): 599 SF / 15 = 40 occupants (calculated, 44 seats provided)
Queuing (5 net SF/person): 379 SF / 5 = 75 occupants
Total Occupants/Common Areas: 121 occupants
Total Occupants, Building: 140 occupants

CBC 1004.3 - Posting of Occupant Load
Signage identifying occupant load shall be provided at every room or space that is an assembly occupancy.

CBC 1005 - Egress Width
Other egress components: 0.2 inches per occupant served

Table 1006.2.1 Spaces with One Exit or Exit Access Doorway
Refer to life safety plans for common path of egress travel.
Distance not to exceed 75'
Maximum occupants not to exceed 49

Table 1006.3.1 - Minimum Number of Exits for Occupant Load
Occupant Load, Minimum Number of Exits per story: 2

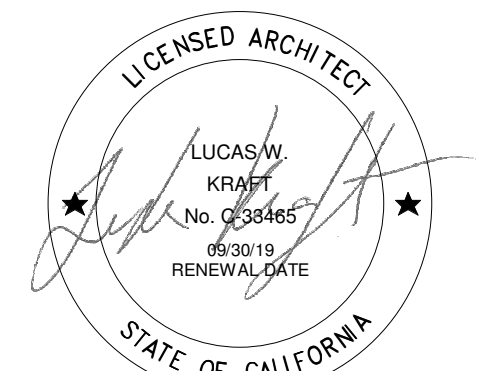
CBC 1007 - Exit and Exit Access Doorway Configuration
Refer to life safety plans for separation distance not less than 1/3 the length of the maximum overall diagonal dimension of the area served.

CBC 1010.1.9 - Door Operations
Egress doors shall be readily operable from the egress side without the use of a key or special knowledge or effort.

Table 1017.2 - Exit Access Travel Distance
Maximum Allowable Exit Travel Distance 250'

CPC Chapter 4 - Plumbing Fixtures and Fixture Fittings
Table 422.1 - Minimum Plumbing Facilities, Use Group A-2
Table A: Occupant Load Factor - Group A2 (restaurant) = 30
5040 SF/30 = 170 occupants (85 M/85 F)

Fixture Type	Required	Provided
Water Closet, Men	2:51-150	2
Urinal	1:1-200	2
Water Closet, Women	3:51-100	4
Lavatory, Men	1:1-150	2
Lavatory, Women	1:1-150	2
Drinking Fountain	1:1-250	2
Service Sink	1	3



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G0.31	SPECIFICATIONS	P1.10 OVERALL PLUMBING ROOF PLAN
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Project Team

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TravelCenters of America LLC
Tejon East Travel Plaza at Wheeler Ridge
5621 Outlets at Tejon Parkway
Wheeler Ridge, CA 93203

Issue Description:
ISSUED FOR PERMIT

Revision Schedule

#	DATE	DESCRIPTION
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Project #: 19027
Issue Date: 08/21/2019

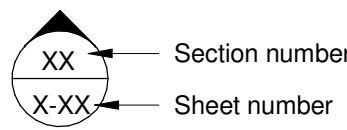
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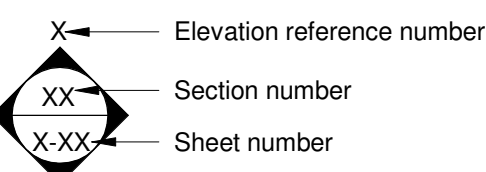
RESPONSIBILITY MATRIX							REMARKS
ITEM:	FURNISHED		INSTALLED				
	OWNER	TENANT CONT	TENANT CONT	OWNER	TENANT CONT	TENANT CONT	NA
GENERAL REQUIREMENTS							
1. PERMITS AND FEES			●		●		
2. TEMPORARY UTILITIES							
3. TEMPORARY ENCLOSURE							
SPACE WORK							
1. DEMOLITION						●	
2. SAW CUT SLAB / CORE DRILL						●	AS REQUIRED TO INSTALL UTILITIES, CORE DRILL ONLY
3. REPAIR, LEVEL, & SLOPE FLOOR FOR FINISHES & TRANSITIONS			●		●		
CONCRETE SLAB CORE DRILLING							
1. SAND PAD						●	
2. VAPOR BARRIER			●		●		
3. REINFORCING FABRIC			●		●		
4. CONCRETE SLAB			●		●		
5. POURED CONCRETE			●		●		
CARPENTRY							
1. WOOD STUDS							
A. EXTERIOR WALLS	●						EXISTING
B. DEMISING			●		●		SEE FLOOR PLAN
C. INTERIOR PARTITIONS			●		●		
D. FURRING			●		●		
E. SALES COUNTER			●		●		
F. LOW WALLS			●		●		
G. SOUND INSULATION	●		●		●		
I. SOFFITS			●		●		
2. ROOF FRAMING FOR MECH. UNITS	●		●		●		
DOORS / WINDOWS							
1. STOREFRONT DOORS / WINDOWS						●	EXISTING TO REMAIN
2. SERVICE DOOR			●		●		SEE SCHEDULE
3. RESTROOM DOORS			●		●		SEE SCHEDULE
4. OFFICE DOORS			●		●		SEE SCHEDULE
5. ELIASON DOOR			●		●		SEE SCHEDULE
6. REKEY LOCKS AFTER C.O. (SEE DOOR SCHEDULE)			●		●		
FINISHES							
1. WALLS							
A. 5/8" PLYWOOD			●		●		
B. 5/8" GYPSUM BOARD			●		●		
C. 5/8" CEMENT BOARD			●		●		
D. F.R.P. /WALL TILE			●		●		
E. FINISHES			●		●		SEE PLAN AND STANDARD MATERIAL SCHEDULE
F. COUNTER TOP MATERIAL			●		●		GC TO SUPPLY SAMPLES TO OWNER FOR APPROVAL
2. TAPING AND SPACKLING			●		●		
3. FLOORS							
A. WATER PROOF MEMBRANE			●		●		
B. QUARRY TILE			●		●		
C. CUSTOMER AREA FLOORING			●		●		
4. FINISHES							
A. PAINT			●		●		
B. TILE			●		●		
C. TRIM			●		●		
5. BASE			●		●		
A. COVED QUARRY TILE			●		●		
B. COVED VINYL			●		●	●	
6. CEILING							
A. GYP. BD.			●		●		SEE REFLECTED CEILING PLAN
B. LAY-IN TILE W/ SUSPENSION SYS.			●		●		SEE REFLECTED CEILING PLAN
PLUMBING							
1. WATER PIPING	●		●		●		SEE PLUMBING DRAWINGS
2. UNDERSLAB ROUGH-IN FOR WASTE	●		●		●		SEE PLUMBING DRAWINGS
3. FINAL CONNECTIONS & VENTS			●		●		SEE PLUMBING DRAWINGS
4. GAS PIPING			●		●		SEE PLUMBING DRAWINGS
5. FINAL GAS CONNECTIONS TO EQUIP.			●		●		SEE PLUMBING DRAWINGS
6. TOILET RM. FIXTURES/ACCESSORIES			●		●		
7. WATER HEATER			●		●		
EQUIPMENT							
1. KITCHEN / SALES		●			●		SEE EQUIPMENT SCHEDULE FOR MORE INFORMATION
2. STOREFRONT SIGNS		●		●			COORDINATE PERMITS & INSTALLATION W/ SIGN VENDOR
3. FIRE EXTINGUISHERS		●		●			LOCATE PER FIRE MARSHALL
5. SEATING		●		●			
6. MENU BOARD		●		●			COORDINATE WITH VENDOR & VERIFY W/ TENANT
7. DRINK STATION & SALES MILLWORK		●		●			COORDINATE WITH TENANT
8. DRIVE-THRU EQUIPMENT		●		●			
ELECTRICAL							
1. CONDUIT INTO SPACE	●						SEE ELECTRICAL DRAWINGS
2. METER	●						SEE ELECTRICAL DRAWINGS
3. PANELS	●		●		●		SEE ELECTRICAL DRAWINGS
4. TRANSFORMER AND GEAR	●						
5. LIGHT FIXTURES AND LAMPS			●		●		SEE ELECTRICAL DRAWINGS
6. TELEPHONE WIRING			●		●		
7. MUSIC SYSTEM & SPEAKERS	●			●			
8. P.O.S. CONDUIT & CABLE PULLS	●		●		●		
9. P.O.S. EQUIPMENT/TELEPHONE/DATA INSTALLATION	●			●			
MECHANICAL							
1. HVAC SYSTEM							
A. HVAC UNIT			●		●		SEE MECHANICAL DRAWINGS
B. DUCTWORK			●		●		
C. DIFFUSERS			●		●		
2. ROOF PENETRATIONS			●		●		
3. SPRINKLER SYSTEM			●		●		NEW PENETRATIONS FOR NEW ROOFTOP EQUIPMENT
4. EXHAUST HOODS & FANS			●		●		
5. EXHAUST HOOD DUCT WORK			●		●		
6. EXHAUST HOOD ANSUL SYSTEM			●		●		SEE HOOD DRAWINGS
7. ROOF PROTECTION ACCESSORIES			●		●		COORDINATE W/ OWNER'S ROOFER FOR WORK @ TENANT'S EXPENSE
8. EXHAUST HOOD MUA SUPPLY SYSTEM			●		●		SEE HOOD DRAWINGS
9. FIRE ALARM & SMOKE CONTROL SYSTEM			●		●		INSTALL AS REQUIRED
1. THIS SCHEDULE IS PROVIDED FOR QUICK REFERENCE ONLY. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS. CONFLICTS BETWEEN SCHEDULE AND THE REST OF THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE OWNER'S ATTENTION PRIOR TO BEGINNING RESPONSIBILITY.							
2. SEE EQUIPMENT SCHEDULE FOR DIVISIONS OF EQUIPMENT ORDER, SUPPLY, AND INSTALLATION RESPONSIBILITY.							

DRAWING LEGEND

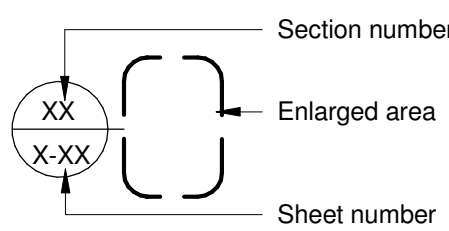
Building, wall and detail section mark



Interior and Exterior elevation reference



Enlarged plan of detail reference



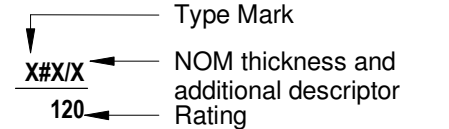
Level Line



Revision reference number



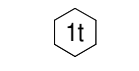
Wall Type



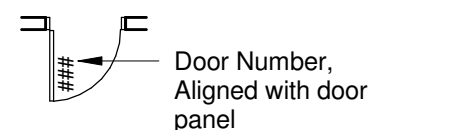
Room Tag



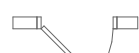
Window tag



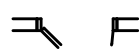
New Door



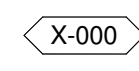
Existing Door



Demolished Door



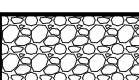
Equipment Tag



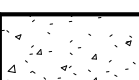
Earth fill



Gravel



Concrete



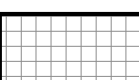
CMU section



Masonry



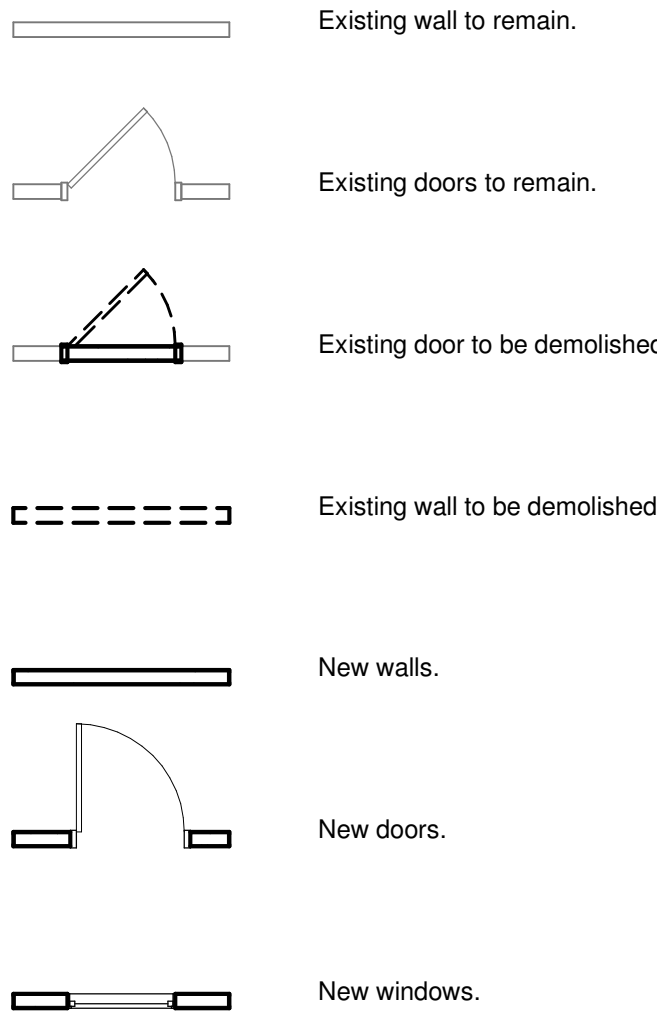
Rigid insulation



ABBREVIATIONS

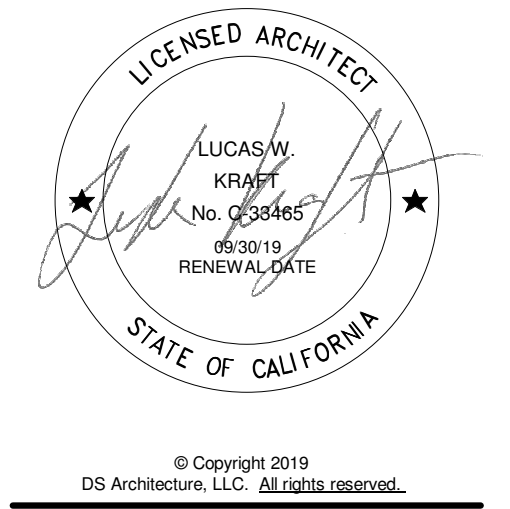
ABV	ABOVE	JC	JANITOR'S CLOSET
AFF	ABOVE FINISH FLOOR	JT	JOINT
ACT	ACoustical TILE	JST	JOIST
A/C	AIR CONDITIONING	LAM	LAMINATE(D)
ALT	ALTERNATE	LL	LIVE LOAD
ALUM	ALUMINUM		
AB	ANCHOR BOLT	MH	MANHOLE
ANC	ANCHOR	MFR	MANUFACTURE(ER)
ANOD	ANODIZED	MAS	MASONRY
ARCH	ARCHITECT(URAL)	MATL	MATERIAL(S)
ASPH	ASPHALT	MO	MASONRY OPENING
		MAX	MAXIMUM
BSMT	BASEMENT	MECH	MECHANIC(AL)
BRG	BEARING	MTL	METAL
B.M.	BENCH MARK	MIN	MINIMUM
BM	BEAM	MISC	MISCELLANEOUS
BLK	BLOCK	MPM	METAL PANEL MANUFACTURER
BLKG	BLOCKING		
BOT	BOTTOM	NOM	NOMINAL
BLDG	BUILDING	NTS	NOT IN CONTRACT
BRK	BRICK		NOT TO SCALE
BUR	BUILT UP ROOFING		
		CAB	CABINET
		CB	CATCH BASIN
		CC	CENTER TO CENTER
		CER	CERAMIC
		CLG	CEILING
		CT	CERAMIC TILE
		COL	COLUMN
		CONC	CONCRETE
		CMU	CONCRETE MASONRY UNIT
		CONST	CONSTRUCTION
		COMP	COMPRESSION
		CONT	CONTINUOUS
		CONTR	CONTRACT(OR)
		CJ	CONTROL JOINT
		CF	CUBIC FEET
		CY	CUBIC YARD
		DB	DESIGN BUILDER
		DL	DEAD LOAD
		DIA	DIAMETER
		DIM	DIMENSION
		DN	DOWN
		DR	DOOR
		RJW	RIGHT OF WAY
		DWG	DRAWING
		DF	DRINKING FOUNTAIN
		DW	DISHWASHER
		ELEC	ELECTRICAL
		ELECT	ELECTRIC(AL)
		EQ	EQUAL
		EQUIP	EQUIPMENT
		EXH	EXHAUST
		EXP	EXPANSION
		EXT	EXTERIOR
		EW	EACH WAY
		FIN	FINISHED
		FLR	FLOOR(ING)
		FND	FOUNDATION
		FT	FOOT
		FD	FLOOR DRAIN
		FO	FINISHED OPENING
		FTG	FOOTING
		FRT	FIRE RESISTANT TREATED
		GA	GAUGE
		GC	GENERAL CONTRACT(OR)
		GL	GLAZE, GLAZING
		GR	GRADE, GRADING
		GWB	GYPSUM WALL BOARD
		GYP. BD.	GYPSUM BOARD
		HB	HOSE BIB
		HDW	HARDWARE
		HVAC	HEATING, VENTILATING, AIR CONDITIONING
		HM	HOLLOW METAL
		HGT	HEIGHT
		HORIZ	HORIZONTAL
		HWH	HOT WATER HEATER
		INCL	INCLUDE(D)(ING)
		ID	INSIDE DIAMETER
		INSUL	INSULATE(D)(ION)
		INT	INTERIOR
		#	NUMBER
		@	AT

PLAN LEGEND



GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE 2016 CALIFORNIA BUILDING CODE, AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL CODES, STANDARDS AND REGULATIONS INCLUDING THOSE OF THE COUNTY OF KERN.
- THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (A.I.A. LATEST EDITION) ARE PART OF THESE CONTRACT DOCUMENTS. A COPY IS ON FILE AT THE ARCHITECT'S OFFICE.
- THE VARIOUS DRAWINGS COMPROMISING THIS SET OF DRAWINGS ARE INTERDEPENDENT AND MUST BE USED JOINTLY TO EXECUTE THE WORK.
- THE CONTRACT DOCUMENTS ARE COMPRISED OF THE DRAWINGS, THE PROJECT MANUAL AND STANDARD CONDITIONS IN THEIR ENTIRETY AND THE INFORMATION IN THESE DOCUMENTS IS DEPENDENT UPON AND COMPLIMENTARY OF EACH OTHER, EXCEPT AS FOLLOWS. SEPARATION OF THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED. IF THE CONTRACTOR CHOOSES TO SEPARATE THE DOCUMENTS THEY DO SO AT THEIR OWN RISK AND EXPENSE.
- SPECIFICATIONS (THE PROJECT MANUAL) ARE PART OF THE CONTRACT DOCUMENTS. INFORMATION CONTAINED IN THE SPECIFICATIONS MAY NOT NECESSARILY BE CONTAINED AS PART OF THE DRAWINGS. ALL CONTRACTORS AND SUBCONTRACTORS SHALL PROVIDE THAT THEIR PROJECT COSTS INCLUDE ALL MATERIALS, LABOR AND OTHER PROCESSES REQUIRED TO COMPLETE ALL CATEGORIES OF THE WORK INDICATED BY ALL OF THE CONTRACT DOCUMENTS, OR THAT WORK WHICH MAY OTHERWISE BE IMPLIED FOR THE TOTAL COMPLETION OF THE PROJECT. FOR OTHER REQUIREMENTS, REFER TO THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION.
- PRIOR TO SUBMITTING A BID, ALL CONTRACTORS SHALL VISIT THE PROJECT SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS, COMPARE AND CONFIRM THE CONTRACT DOCUMENTS, ANY SUBSEQUENT REQUIREMENTS AND ALL REGULATORY AGENCY REQUIREMENTS APPLICABLE FOR COMPLETION OF THE PROPOSED WORK. IF VARIATIONS OR DISCREPANCIES ARE FOUND, SAME INFORMATION SHALL BE FURNISHED IMMEDIATELY AND IN WRITTEN FORMAT TO THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK. NO CONTRACT ADJUSTMENTS WILL BE PERMITTED DUE TO THE LACK OF KNOWLEDGE OF SITE CONDITIONS.
- EXISTING BUILDING INFORMATION IS BASED ON ORIGINAL CONSTRUCTION DOCUMENTS AND IS NOT INTENDED TO REPRESENT EXISTING "AS-BUILT" CONDITIONS. CONTRACTORS ARE RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS.
- PRIOR TO COMMENCEMENT OF ANY WORK, ALL PERMITS SHALL BE APPLIED FOR AND OBTAINED BY EACH CONTRACTOR, AND ALL APPLICABLE FEES SHALL BE PAID BY THE CONTRACTOR. ALL CONSTRUCTION AND MATERIALS SHALL BE IN STRICT COMPLIANCE WITH ALL LOCAL AND STATE BUILDING CODES AND REGULATIONS, AS WELL AS ANY OTHER SPECIFIC OR IMPLIED APPLICABLE REGULATIONS, INCLUDING HEALTH AND SAFETY REQUIREMENTS, AS MAY BE IMPLIED OR STATED WITH ISSUANCE OF THE BUILDING PERMIT.
- IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- DRAWINGS SHALL NOT BE SCALED. ALL QUESTIONS WITH RESPECT TO THE CONTRACT DOCUMENTS SHALL BE DIRECTED TO THE ARCHITECT FOR MAKING INTERPRETATIONS ON ALL ITEMS OF DISCREPANCY OR OF AN AMBIGUOUS NATURE. THE SCALE OF ALL DRAWINGS IS SUBJECT TO CONFIRMATION.
- ALL CONTRACTORS SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO COMMENCING WORK. SHOULD DIMENSIONAL DISCREPANCIES EXIST, OR IF NOTED DIMENSIONS DO NOT COORDINATE WITH SPACE REQUIREMENTS OF EQUIPMENT, ETC., THE SAME INFORMATION SHALL BE FURNISHED IMMEDIATELY AND IN WRITTEN FORMAT TO THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
- EACH STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE, AND TO INSURE THE SAFETY OF THE BUILDINGS AND THEIR COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIE DOWNS, WHICH MIGHT BE NECESSARY. FOLLOWING THE COMPLETION OF THE PROJECT, REDISTRIBUTION OF SUCH MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS, AND FOR INSTALLING ALL NECESSARY BLOCKING, FRAMING OR GENERAL CONSTRUCTION TO FACILITATE INSTALLATION OF SAID MECHANICAL AND ELECTRICAL SYSTEMS. MECHANICAL AND ELECTRICAL SUBCONTRACTORS SHALL DETERMINE DURING THE BID PROCESS ANY ADDITIONAL COSTS RELATED TO VARIATIONS IN THE MECHANICAL AND ELECTRICAL REQUIREMENTS AND SHALL NOTIFY THE ARCHITECT ACCORDINGLY.
- CONTRACTOR TO COORDINATE INSTALLATION OF OWNER PROVIDED EQUIPMENT, FIXTURES, FURNITURE, ETC., PRIOR TO CONSTRUCTION. A FULL LIST OF SUCH ITEMS SHALL BE REVIEWED WITH OWNER PRIOR TO START OF CONSTRUCTION.
- SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH GENERAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST AND MOST EXPENSIVE PROVISION FOR BIDDING PURPOSES SHALL GOVERN. FOLLOWING BID AWARD THE CONTRACTOR SHALL CONSULT WITH THE ARCHITECT FOR CLARIFICATION REGARDING THE NOTED DISCREPANCY.
- IN THE EVENT THAT CERTAIN DETAILS OF THE CONSTRUCTION ARE NOT FULLY SHOWN OR NOTED ON THE DRAWINGS, THEIR CONSTRUCTION SHALL BE THE SIZE AND CHARACTER AS FOR SIMILAR CONDITIONS WHICH ARE SHOWN AND NOTED.
- GENERAL CONTRACTOR SHALL COORDINATE WITH HVAC, ELEC., AND PLUMBING DRAWINGS FOR LOCATIONS OF SLEEVES THRU FOUNDATION WALLS FOR ALL UTILITIES.
- ALL STORAGE SHELVES TO MAINTAIN A MIN. CLEARANCE OF 18" BELOW SPRINKLER LEVEL.
- ALL BEARING WALLS ARE AS INDICATED ON THE STRUCTURAL DRAWINGS.
- ALL FOAM PLASTIC INSULATION SHALL BE PROTECTED IN ACCORDANCE WITH THE BASIC BUILDING CODE.
- THE CONTRACTOR SHALL PROVIDE EACH SUBCONTRACTOR WITH A COMPLETE AGENCY-PERMITTED DRAWING SET AT TIME OF CONSTRUCTION.
- IT IS SOLELY THE GENERAL CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- ALL PROPOSED SUBSTITUTIONS SHALL BE APPROVED BY THE ARCHITECT, IN WRITING, PRIOR TO SUBMITTING OF BIDS.
- UPON COMPLETION OF PROJECT, GENERAL CONTRACTOR IS TO OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
- ALL MEANS OF EGRESS AND FIRE PROTECTION SHALL BE MAINTAINED AT ALL TIMES AND ANY SHUTDOWN OF LIFE-SAFETY OR BUILDING SYSTEMS SHALL BE APPROVED AND COORDINATED IN ADVANCE WITH THE OWNER AND LOCAL BUILDING DEPARTMENT.
- DURING CONSTRUCTION AND NEW WORK PROCEDURES, THE ENTIRE WORK AREA SHALL BE CLEAN OF ALL DUST, DIRT, AND OTHER DEBRIS BEFORE APPLICATION OF ANY NEW MATERIALS AND/OR FINISHES.
- COORDINATE JOB SCHEDULE W/ OWNER'S REQUIREMENTS FOR COMPLETION AND CONTINUED OCCUPANCY. ALLOW FOR THE TEMPORARY PROVISIONS FOR OWNER'S CONTINUED OCCUPANCY AND USE.
- EACH CONTRACTOR IS RESPONSIBLE TO PROVIDE ADEQUATE AND SUBSTANTIAL PROVISIONS TO PROTECT THE BUILDING AND FINISHED SURFACES SCHEDULED TO REMAIN, BOTH INTERIOR AND EXTERIOR, FROM DAMAGE DURING DELIVERY OF EQUIPMENT AND DISPOSAL OF MATERIALS. ALL DAMAGED SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. NO VEHICLES WILL BE PERMITTED TO OCCUPY ANY EXISTING STREET OR WALK UNLESS APPROVED BY OWNER AND AUTHORITIES HAVING JURISDICTION.
- IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE AVAILABLE "RESIDUAL" WATER PRESSURE, PRIOR TO THE START OF ANY WORK, AND NOTIFY THE OWNER IF THE AVAILABLE PRESSURE IS NOT ADEQUATE TO SERVICE THE ANSUL SYSTEM OR OTHER PRESSURE SENSITIVE EQUIPMENT.
- APPROVED PLANS SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY WORKMEN. ALL CONSTRUCTION SETS SHALL REFLECT SAME INFORMATION. CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF PLANS ON THE PREMISES IN A GOOD CONDITION AT ALL TIMES. THIS SHALL INCLUDE ALL ADDENDA AND CHANGE ORDERS.
- GENERAL CONTRACTOR TO REFER TO THESE DOCUMENTS AND SPECIFICATIONS FOR IDENTIFICATION OF ALL OWNER SUPPLIED ITEMS. ALL ITEMS NOT MARKED "BY OWNER" OR "N.I.C." (NOT IN CONTRACT) ARE TO BE SUPPLIED BY GENERAL CONTRACTOR. UNLESS NOTED OTHERWISE, ALL ITEMS ARE TO BE INSTALLED BY GENERAL CONTRACTOR.



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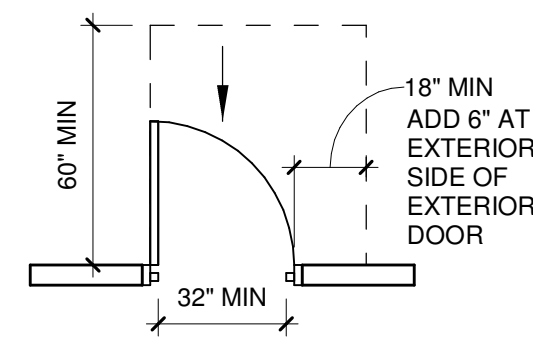
TravelCenters of America LLC
Tejon East Travel Plaza at Wheeler Ridge
5621 Outlets at Tejon Parkway
Wheeler Ridge, CA 93023

Issue Description: ISSUED FOR PERMIT		
Revision Schedule		
#	DATE	DESCRIPTION

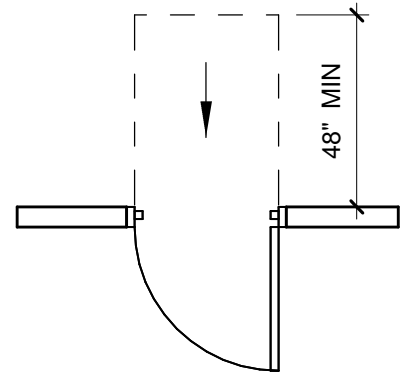
Project #: 19027
Issue Date: 08/21/2019

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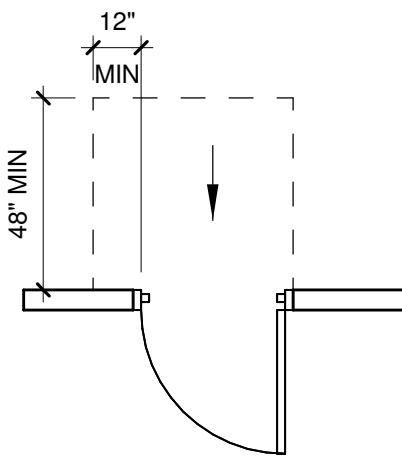
PROJECT GENERAL
NOTES AND
ABBREVIATIONS



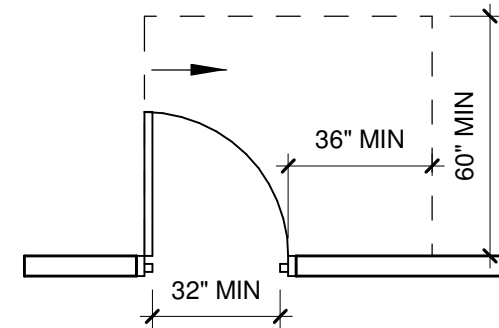
(A) FRONT APPROACH - PULL SIDE



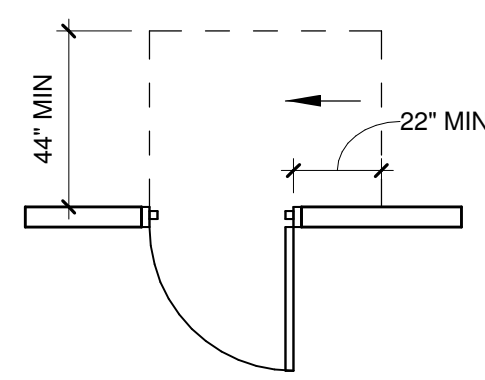
(B) FRONT APPROACH - PUSH SIDE



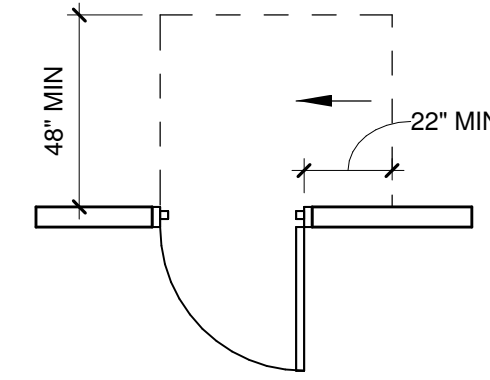
(C) FRONT APPROACH - PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH



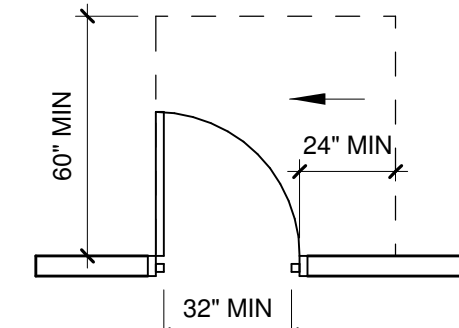
(D) HINGE APPROACH, PULL SIDE



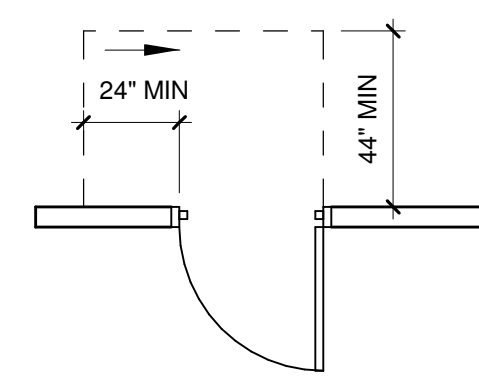
(F) HINGE APPROACH, PUSH SIDE



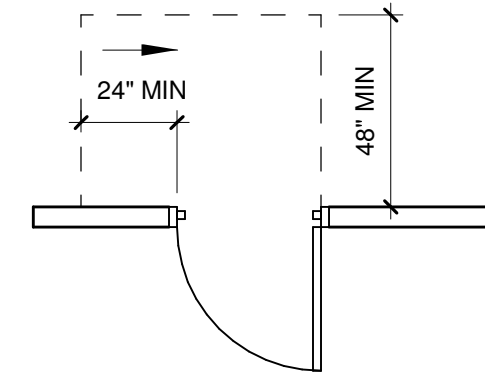
(G) HINGE APPROACH, PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH



(H) LATCH APPROACH, PULL SIDE

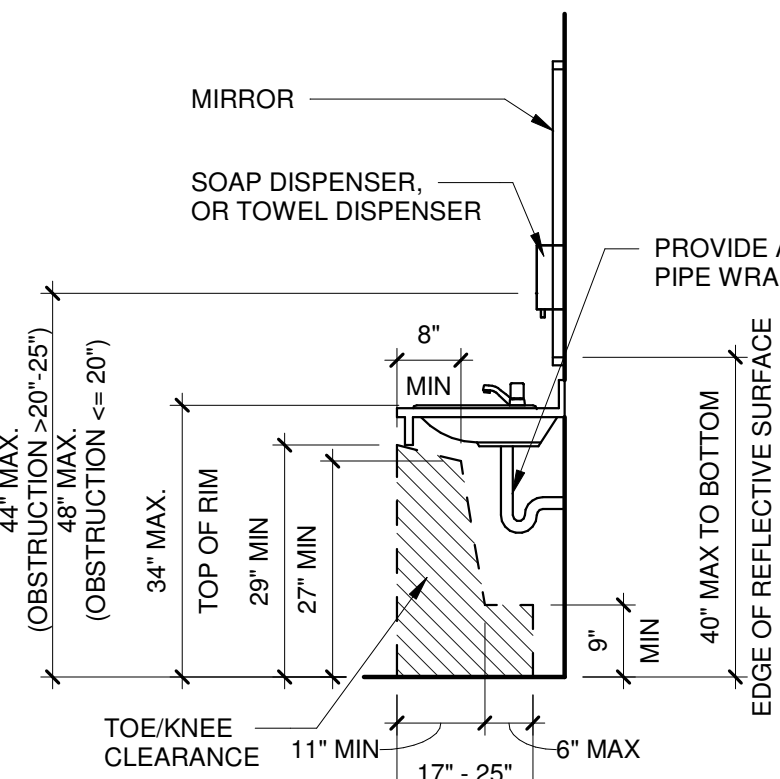
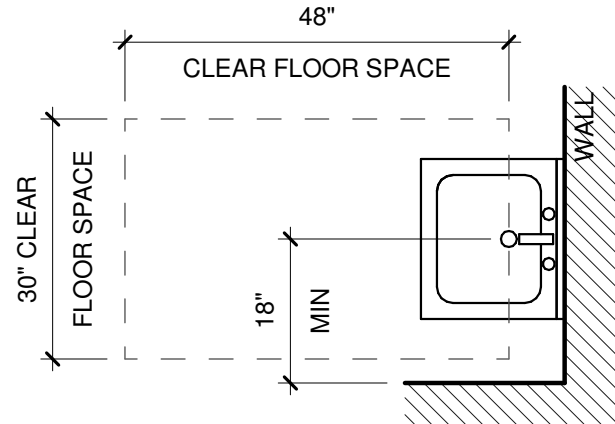


(J) LATCH APPROACH, PUSH SIDE

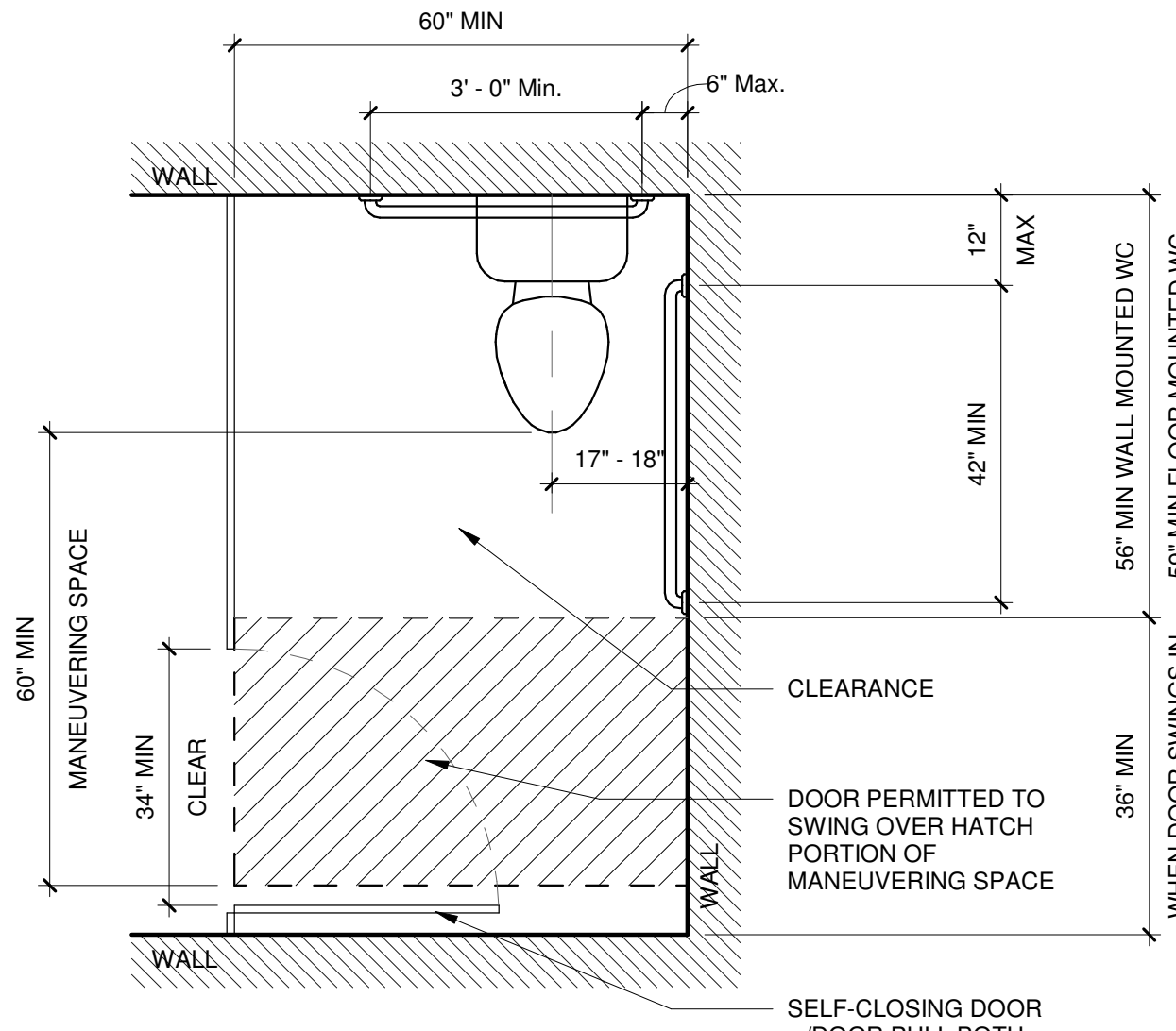


(K) LATCH APPROACH, PUSH SIDE, DOOR PROVIDED WITH CLOSER

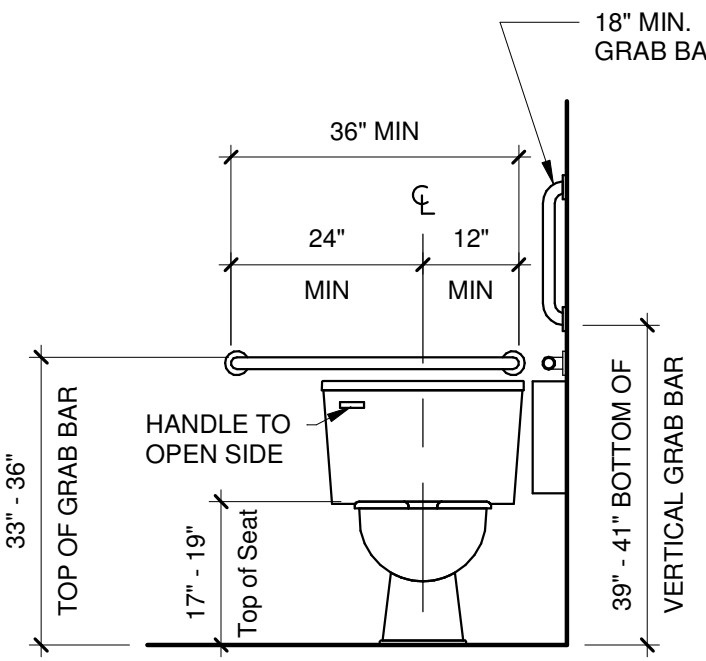
FIGURE 11B-404.2.1.1 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES



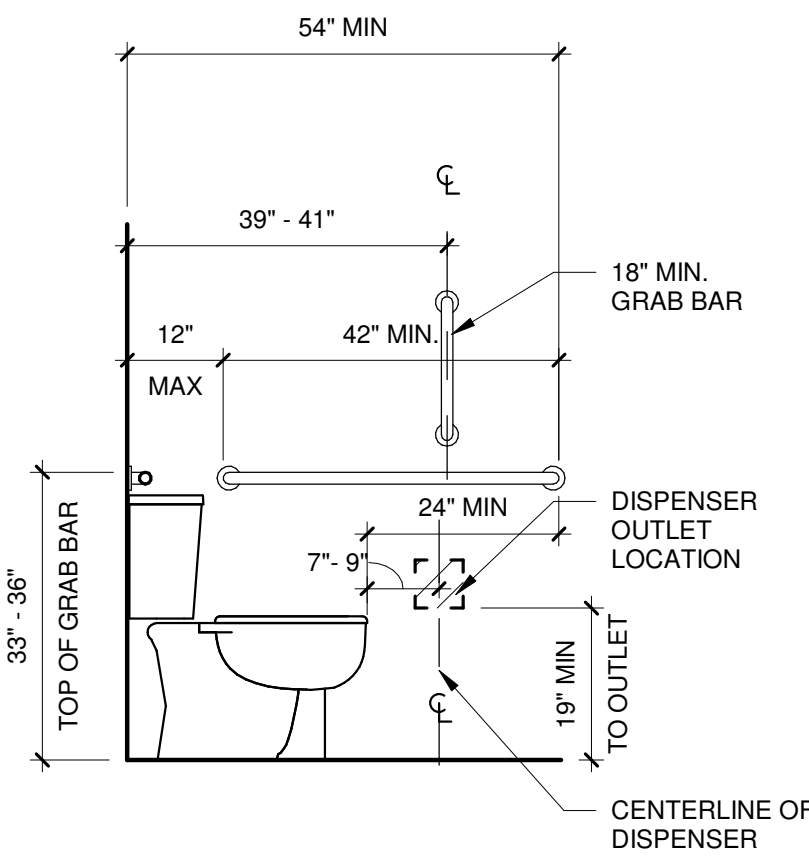
LAVATORY AND DISPENSERS (REFERENCE SECTION 11B-306 - KNEE AND TOE CLEARANCE; AND SECTION 11B-606 - LAVATORIES AND SINKS)



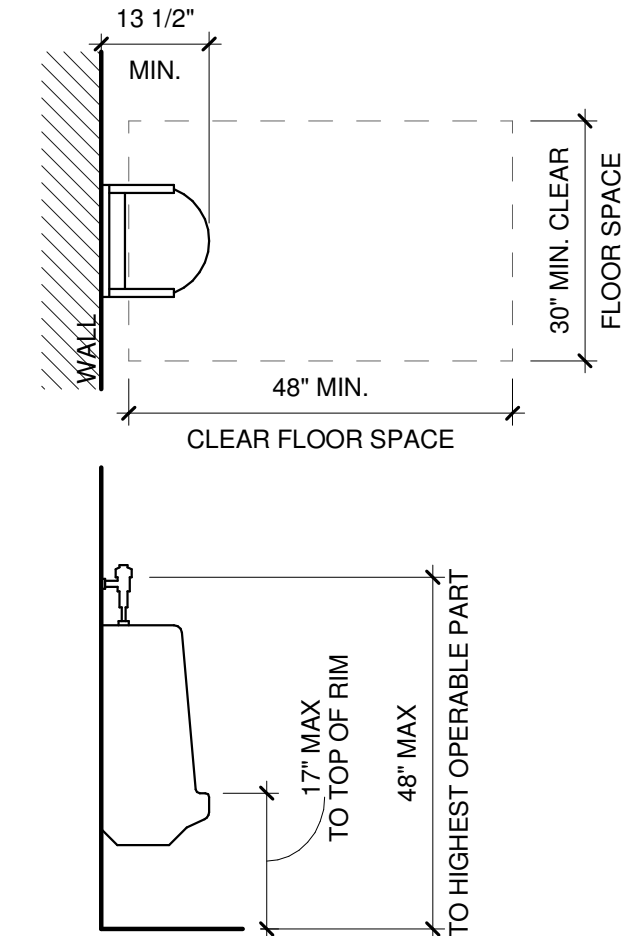
ADA STALL, SIDE-OPENING DOOR (FIGURES 11B-604.2, 11B-604.8.1.1.2 AND 604.9.3.1(C))



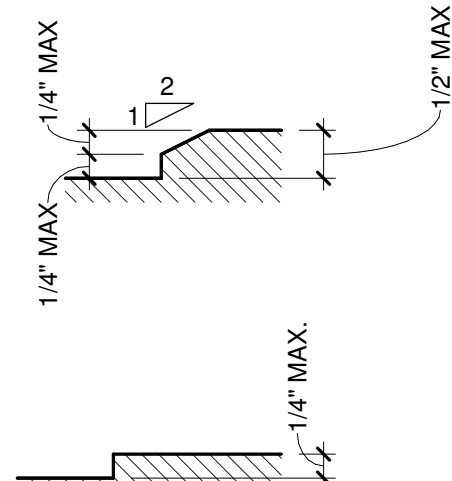
FRONT VIEW (FIGURE 11B-604.5.2)



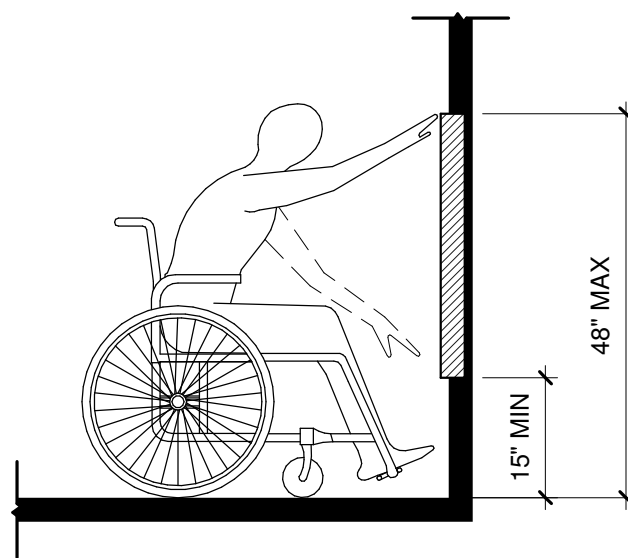
SIDE VIEW (FIGURE 11B-604.5.1 AND FIGURE 11B-604.7)



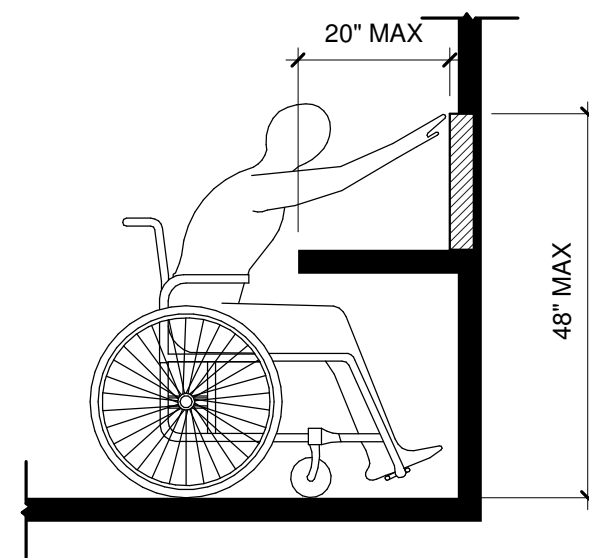
ACCESSIBLE URINAL DETAIL (FIGURES 11B-305.3, 11B-308.2.2(A), AND 11B-605.2)



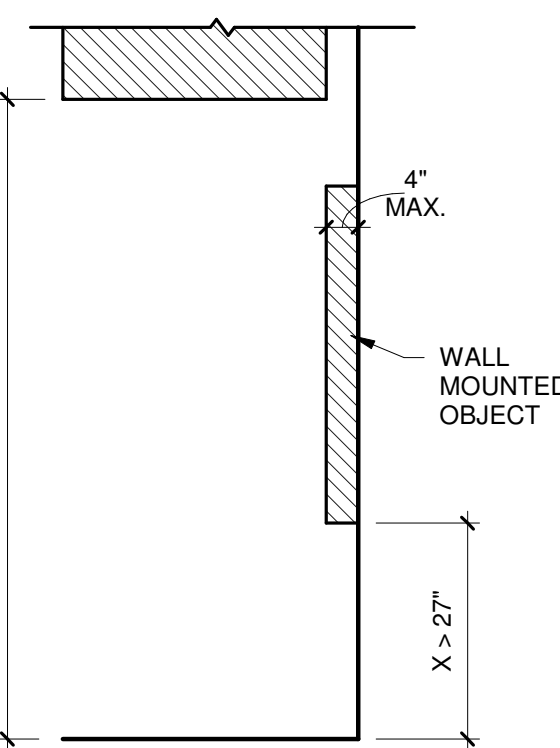
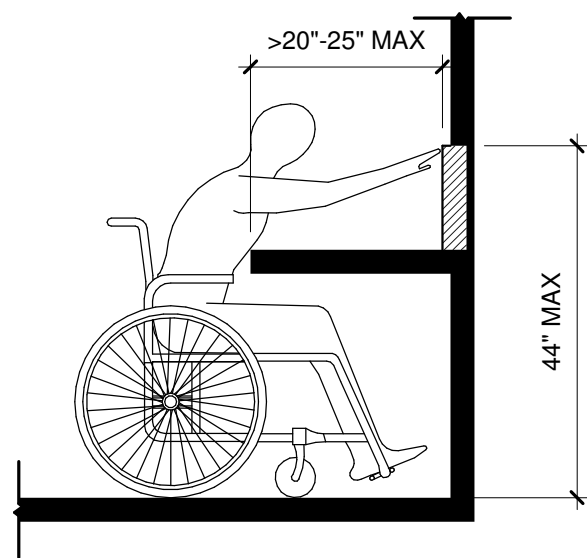
CHANGES IN LEVEL (FIGURES 11B-303.2 AND 11B-303.3)



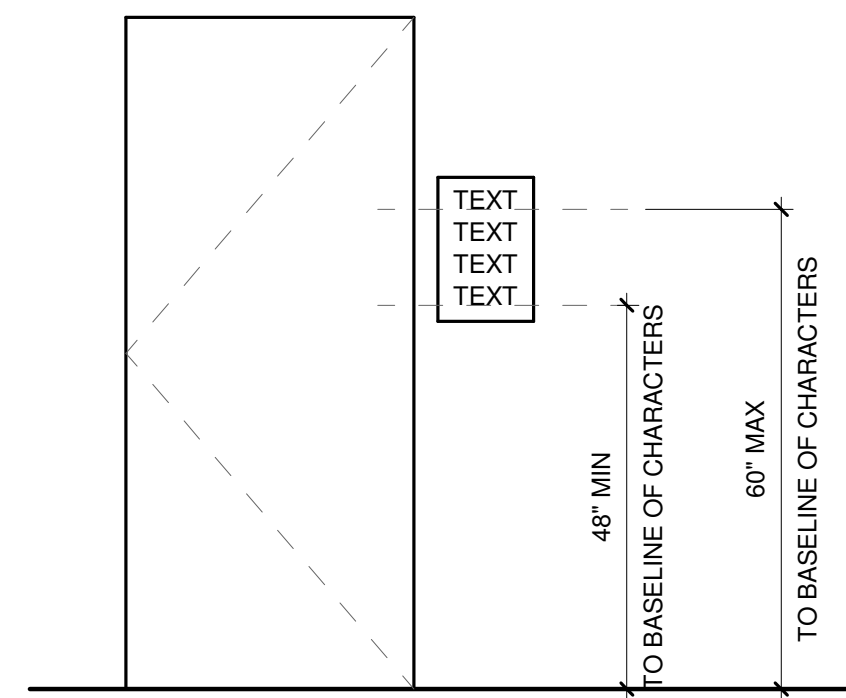
UNOBSTRUCTED FORWARD REACH (FIGURE 11B-308.2.1)



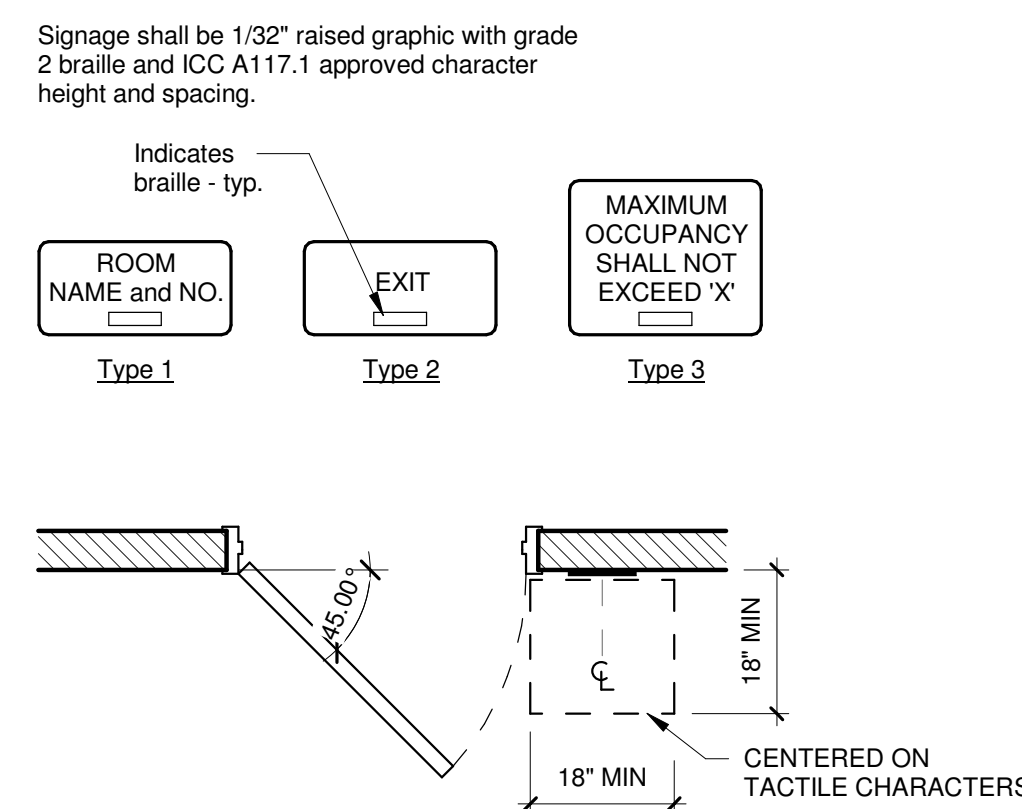
OBSTRUCTED HIGH FORWARD REACH (FIGURE 11B-308.2.2(A) AND (B))



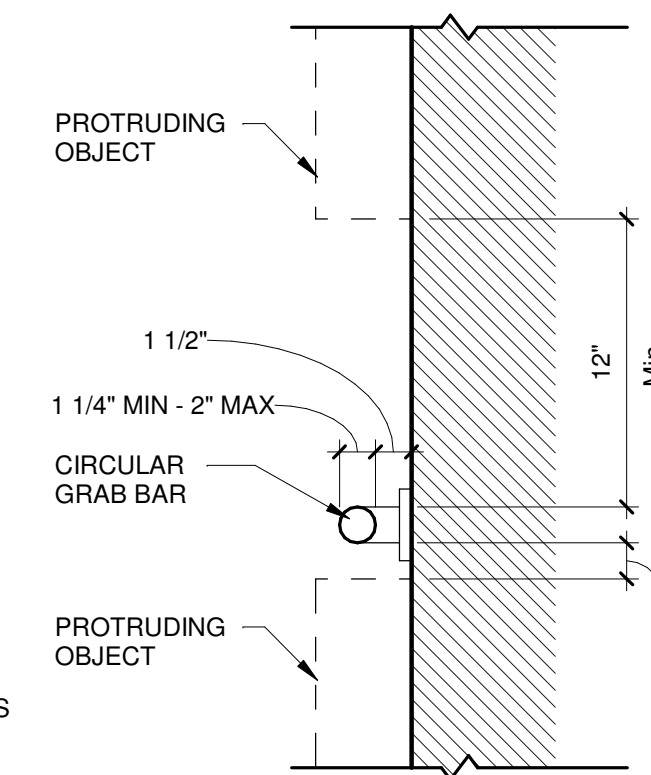
LIMITS OF PROTRUDING OBJECTS (FIGURE 11B-307.2)



HEIGHT OF TACTILE CHARACTERS ABOVE FINISHED FLOOR OR GROUND (FIGURE 11B-703.4.1)



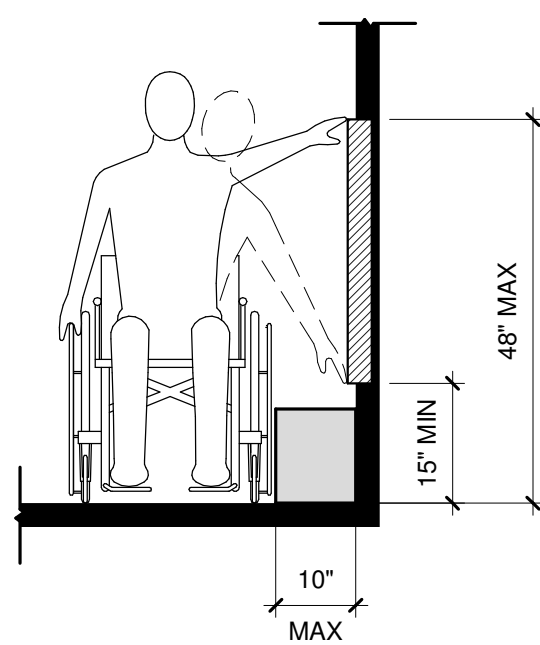
LOCATION OF TACTILE SIGNS AT DOORS (FIGURE 11B-703.4.2)



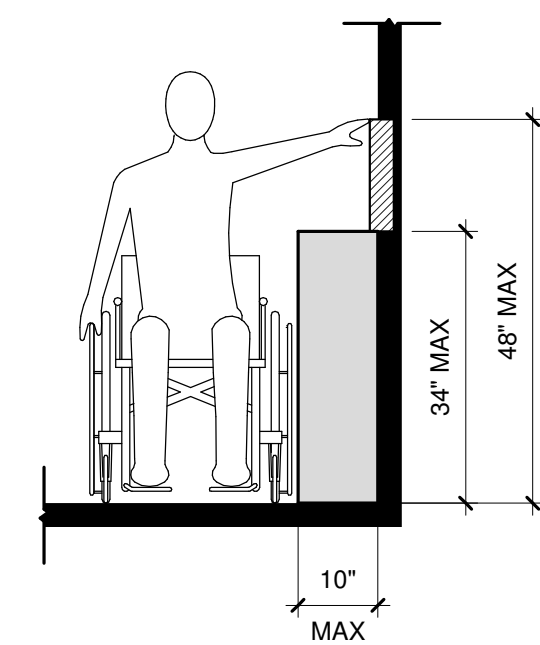
GRAB BAR (FIGURE 11B-609.3)

NOTE:

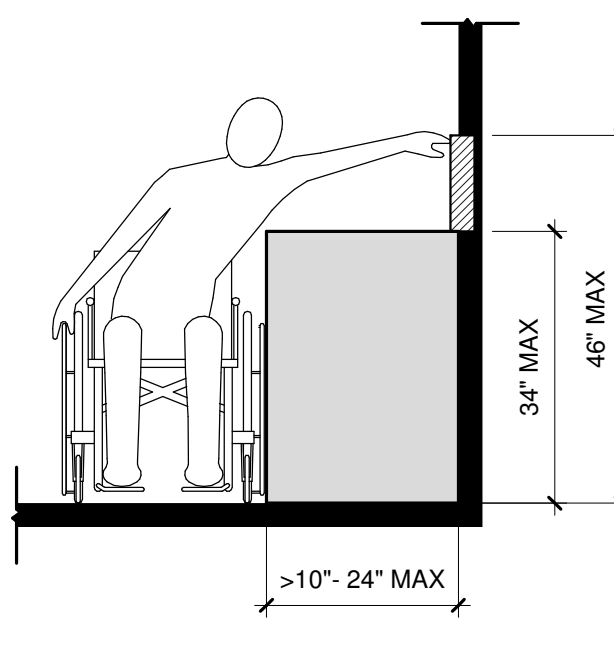
- * ALL REFERENCES TO 2016 CALIFORNIA BUILDING CODE, UNLESS NOTED OTHERWISE
- * MAXIMUM OPERABLE HEIGHT FOR ANY DEVICE IS 4'-0" A.F.F.
- * PROVIDE BLOCKING FOR ANY WALL MOUNTED DEVICE
- * ALL DIMENSIONS SHOWN ARE FROM FINISH SURFACE



UNOBSTRUCTED SIDE REACH (FIGURE 11B-308.3.1)



OBSTRUCTED HIGH SIDE REACH (FIGURE 11B-308.3.2(A) AND (B))



TravelCenters of America LLC
Tejon East Travel Plaza at Wheeler Ridge

5621 Outlets at Tejon Parkway
Wheeler Ridge, CA 93203

Issue Description:
ISSUED FOR PERMIT
Revision Schedule
DATE DESCRIPTION

Project #: 19027
Issue Date: 08/21/2019

G0.21

TYPICAL
ACCESSIBILITY
DETAILS

CONSTRUCTION SPECIFICATIONS

SECTION 03 3000
CAST-IN-PLACE CONCRETE
PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. CAST-IN-PLACE CONCRETE FOR FOUNDATIONS AND SLABS ON GRADE.
2. EQUIPMENT PADS.

PART 2 PRODUCTS
2.2 MATERIALS
A. PORTLAND CEMENT: ASTM C150, TYPE I OR III, GRAY COLOR.
B. AGGREGATES:
1. FINE: ASTM C33, CLEAN, HARD, DURABLE, UNCOATED NATURAL SAND, FREE FROM SILT, LOAM, AND CLAY.
2. COARSE: ASTM C33, CLEAN, HARD, DURABLE, UNCOATED CRUSHED STONE, MAXIMUM SIZE 3/4 INCH.
C. FLY ASH: ASTM C618, MAXIMUM 2 PERCENT LOSS ON IGNITION.
2.3 ACCESSORIES
A. WATER: CLEAN AND POTABLE.
B. ADMIXTURES:
1. WATER REDUCING OR WATER REDUCING/SET RETARDING: ASTM C494, TYPE A OR D.
2. AIR ENTRAINING: ASTM C260.
C. EXPANSION JOINT FILLER: ASTM D1752, NON-ASPHALTIC TYPE.
D. BONDING AGENT: TWO COMPONENT MODIFIED EPOXY RESIN.

2.4 MIXES
A. PROPORTIONS: IN ACCORDANCE WITH ACI 301.
B. DESIGN CONCRETE TO YIELD CHARACTERISTICS INDICATED ON DRAWINGS.
C. AIR ENTRAINED CONCRETE: PROVIDE AIR ENTRAINING ADMIXTURE TO PRODUCT 4 TO 6 PERCENT AIR BY VOLUME OF CONCRETE.
D. USE ACCELERATING ADMIXTURE IN COLD WEATHER ONLY WHEN APPROVED BY ARCHITECT. USE OF ADMIXTURES WILL NOT REDUCE COLD WEATHER PLACEMENT REQUIREMENTS.
E. FLY ASH CONTENT: MINIMUM PERCENT BY WEIGHT OF CEMENTITIOUS MATERIAL IN MIX AS SHOWN ON DRAWINGS.
F. THE MATERIAL(S) IN THE PRODUCT(S) SUPPLIED SHOULD HAVE A RECYCLED CONTENT SUCH THAT THE SUM OF THE POST-CONSUMER RECYCLED CONTENT PLUS ONE-HALF OF THE PRE-CONSUMER CONTENT CONSTITUTES AT LEAST 20 % OF THE TOTAL VALUE OF THE MATERIAL IN THE PROJECT.

PART 3 EXECUTION
3.1 PREPARATION
A. NOTIFY TESTING LABORATORY MINIMUM 24 HOURS PRIOR TO PLACING CONCRETE.
B. ACCURATELY POSITION ANCHOR BOLTS, SLEEVES, CONDUIT, INSERTS, AND ACCESSORIES. DO NOT CUT OR WELD STEEL TO FACILITATE INSTALLATION OF INSERTS OR ACCESSORIES.
C. REMOVE WATER AND DEBRIS FROM FORMS AND EXCAVATIONS.
D. CLOSE OPENINGS LEFT IN FORMS FOR CLEANING AND INSPECTION.
3.2 PLACEMENT OF CONCRETE
A. PLACE CONCRETE IN ACCORDANCE WITH ACI 301 AND ACI 318.
B. ENSURE REINFORCEMENT, INSERTS, AND EMBEDDED PARTS ARE NOT DISTURBED DURING CONCRETE PLACEMENT.
C. DEPOSIT CONCRETE AS NEARLY AS POSSIBLE IN ITS FINAL POSITION TO MINIMIZE HANDLING AND FLOWING.
D. PLACE CONCRETE CONTINUOUSLY BETWEEN PREDETERMINED EXPANSION, CONTROL, AND CONSTRUCTION JOINTS.
E. DO NOT PLACE PARTIALLY HARDENED, CONTAMINATED, OR RE-TEMPERED CONCRETE.
F. DO NOT ALLOW CONCRETE TO FREE FALL OVER 8 FEET; PROVIDE TREMIES, CHUTES, OR OTHER MEANS OF CONVEYANCE.
G. CONSOLIDATE CONCRETE WITH MECHANICAL VIBRATING EQUIPMENT. HAND COMPACT IN CORNERS AND ANGLES OF FORMS.
H. SCREED SLABS LEVEL, TO FLATNESS TOLERANCE OF 1/8 INCH IN 10 FEET.
3.3 PLACEMENT OF GROUT
A. REMOVE LOOSE AND FOREIGN MATTER FROM CONCRETE; LIGHTLY ROUGHEN BONDING SURFACE.
B. JUST PRIOR TO GROUTING, THOROUGHLY WET CONCRETE SURFACES; REMOVE EXCESS WATER.
C. MIX GROUT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. DO NOT RE-TEMPER.
D. PLACE GROUT CONTINUOUSLY, BY MOST PRACTICAL MEANS; AVOID ENTRAPPED AIR. DO NOT VIBRATE GROUT.
3.4 PROTECTION
A. IMMEDIATELY AFTER PLACEMENT, PROTECT CONCRETE FROM PREMATURE DRYING, EXCESSIVELY HOT OR COLD TEMPERATURES, AND MECHANICAL INJURY.
B. MAINTAIN CONCRETE WITH MINIMAL MOISTURE LOSS AT RELATIVELY CONSTANT TEMPERATURE FOR PERIOD NECESSARY FOR HYDRATION OF CEMENT AND HARDENING OF CONCRETE.
C. PROVIDE ARTIFICIAL HEAT TO MAINTAIN TEMPERATURE OF CONCRETE ABOVE MINIMUM SPECIFIED FOR DURATION OF CURING PERIOD.
D. KEEP FORMS SUFFICIENTLY WET TO PREVENT CRACKING OF CONCRETE OR LOOSENING OF FORM JOINTS.
3.5 CURING
A. CURE CONCRETE IN ACCORDANCE WITH ACI 308:
1. HORIZONTAL SURFACES:
a. SURFACES TO RECEIVE ADDITIONAL TOPPINGS OR SETTING BEDS: USE CURING PAPER METHOD.
b. OTHER SURFACES: USE EITHER CURING PAPER OR CURING COMPOUND METHOD.
2. VERTICAL SURFACES: USE EITHER WET CURING OR CURING COMPOUND METHOD.

SECTION 06 1100
FRAMING AND SHEATHING
PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. WALL FRAMING.
2. WALL SHEATHING.
3. WOOD BLOCKING AND FURRING.
1.4 QUALITY ASSURANCE
A. LUMBER GRADING AGENCY: CERTIFIED TO NIST PS 20.
B. IDENTIFY LUMBER AND SHEET PRODUCTS BY OFFICIAL GRADE MARK.
1.5 DELIVERY, STORAGE AND HANDLING
A. STORE MATERIALS MINIMUM 6 INCHES ABOVE GROUND ON FRAMEWORK OR BLOCKING AND COVER WITH PROTECTIVE WATERPROOF COVERING PROVIDING FOR ADEQUATE AIR CIRCULATION.
B. DO NOT STORE SEASONED OR TREATED MATERIALS IN DAMP LOCATION.
C. PROTECT EDGES AND CORNERS OF SHEET MATERIALS FROM DAMAGE.

PART 2 PRODUCTS
2.1 MATERIALS
A. DIMENSION LUMBER:
1. GRADING RULES: NELMA, SPIB OR WWPA.
2. GRADE: #2 OR SELECT STRUCTURAL.
3. SURFACING: SURFACED FOUR SIDES (S4S).
4. MAXIMUM MOISTURE CONTENT: 19 PERCENT.
5. FINGER JOINTED, MANUFACTURED USING LOW-EMITTING, UREA FORMALDEHYDE-FREE BINDERS.
6. CERTIFIED TO FSC STD-04-004.
B. LAMINATED VENEER LUMBER:
1. FABRICATED BY LAMINATING WOOD VENEERS UNDER PRESSURE USING EXTERIOR TYPE ADHESIVE WITH GRAIN OF VENEERS PARALLEL WITH LENGTH.
2. VENEER: DOUGLAS FIR OR SOUTHERN PINE.
3. MANUFACTURED USING LOW-EMITTING, UREA FORMALDEHYDE-FREE BINDERS.
C. SHEET PRODUCTS:
1. TYPE: APA PLYWOOD OR ORIENTED STRAND BOARD.
2. PANEL GRADE:
a. WALL AND ROOF SHEATHING: APA RATED SHEATHING.
3. EXPOSURE:
a. EXTERIOR APPLICATIONS: EXPOSURE 1.
b. INTERIOR APPLICATIONS: INTERIOR.
4. RAPIDLY RENEWABLE PRODUCT MADE FROM CHOPPED STRAW, MANUFACTURED USING LOW-EMITTING, UREA FORMALDEHYDE-FREE BINDERS.
5. CERTIFIED TO FSC STD-04-004.

PART 3 EXECUTION
3.1 INSTALLATION
A. SET MEMBERS LEVEL, PLUMB, AND RIGID.
B. MAKE PROVISIONS FOR ERECTION LOADS, AND FOR TEMPORARY BRACING TO MAINTAIN STRUCTURE SAFE, PLUMB, AND IN TRUE ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRACING.
C. PLACE BEAMS, JOISTS, AND RAFTERS WITH CROWN EDGE UP.
D. CONSTRUCT LOAD BEARING FRAMING MEMBERS FULL LENGTH WITHOUT SPLICES.
E. STUD FRAMING:
1. PROVIDE SINGLE BOTTOM PLATE AND DOUBLE TOP PLATES FOR LOAD BEARING PARTITIONS.
2. PROVIDE SINGLE BOTTOM AND TOP PLATES FOR NON-LOAD BEARING PARTITIONS.
3. ANCHOR BOTTOM PLATES TO CONCRETE STRUCTURE WITH ANCHOR BOLTS.
4. TRIPLE STUDS AT CORNERS AND PARTITION INTERSECTIONS.
5. FRAME OPENINGS WITH DOUBLE STUDS AND HEADERS. SPACE SHORT STUDS OVER AND UNDER OPENING TO STUD SPACING.
F. PROVIDE BLOCKING, NAILERS, GROUND, FURRING, AND OTHER SIMILAR ITEMS REQUIRED TO RECEIVE AND SUPPORT WORK.
G. PROVIDE ADEQUATE BLOCKING FOR ALL WALL-MOUNTED UNITS IN ACCORDANCE WITH PLANS.
3.2 TOLERANCES
A. FRAMING MEMBERS: 1/4 INCH FROM TRUE POSITION, MAXIMUM.

SECTION 06 4100
ARCHITECTURAL WOOD CASEWORK
PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. SPECIAL FABRICATED CABINET UNITS.
2. PLASTIC LAMINATE COUNTERTOPS.
1.3 SUBMITTALS
A. SUSTAINABLE DESIGN SUBMITTALS:
1. MATERIALS REUSE.
2. RECYCLED CONTENT.
3. REGIONAL MATERIALS.
4. RAPIDLY RENEWABLE MATERIALS.
5. LOW-EMITTING WOOD.
6. CERTIFIED WOOD.

PART 2 PRODUCTS
2.1 MANUFACTURERS
A. ACCEPTABLE MANUFACTURERS - PLASTIC LAMINATE:
1. FORMICA CORP. (WWW.FORMICA.COM)
2. WILSONART INTERNATIONAL, INC. (WWW.WILSONART.COM)
B. SUBSTITUTIONS: NOT PERMITTED.
2.2 MATERIALS
A. LUMBER:
1. GRADED IN ACCORDANCE WITH AIA/AIAWMA/WI ARCHITECTURAL WOODWORK STANDARDS; SECTION 3 REQUIREMENTS FOR QUALITY GRADE SPECIFIED, AVERAGE MOISTURE CONTENT OF 6 PERCENT.
2. EXPOSED AND SEMI-EXPOSED LOCATIONS: CLOSED GRAIN HARDWOOD, OF QUALITY SUITABLE FOR OPAQUE FINISH.
B. PLASTIC LAMINATE: NEMA LD-3.
1. HIGH PRESSURE DECORATIVE LAMINATE:
a. HORIZONTAL SURFACES:
1.) BACKING SHEET: 3/4 INCH INT-APA A-D PLYWOOD.
b. VERTICAL SURFACES:
1.) BACKING SHEET: 25/32 INCH EXTERIOR GRADE PLYWOOD.
2. COLORS
a. FORMICA #459-58 "BRIGHT WHITE" MATTE FINISH
b. FORMICA #909-58 "BLACK" MATTE FINISH
c. WILSONART #7560K-18 "STUDIO TEAK" LINEARITY FINISH
2.3 ACCESSORIES
A. FASTENERS: TYPE AND SIZE AS REQUIRED BY CONDITIONS OF USE.
B. ADHESIVES:
1. WATERPROOF, WATER BASED TYPE, COMPATIBLE WITH BACKING AND LAMINATE MATERIALS.
2. MAXIMUM VOLATILE ORGANIC COMPOUND (VOC) CONTENT: 70 GRAMS PER LITER.
C. FINISH HARDWARE: AS SCHEDULED AT END OF SECTION.

2.4 FABRICATION
A. PLASTIC LAMINATE COUNTERTOPS:
1. QUALITY: AIA/AIAWMA/WI ARCHITECTURAL WOODWORK STANDARDS, SECTION 11, PREMIUM GRADE.
2. FABRICATE FROM SHEET PRODUCT WITH LUMBER FRONTS.
3. PROVIDE HOLES AND CUTOUTS FOR MOUNTING OF ACCESSORIES.
B. SHOP ASSEMBLE FOR DELIVERY TO PROJECT SITE IN UNITS EASILY HANDLED.
C. PRIOR TO FABRICATION, FIELD VERIFY DIMENSIONS TO ENSURE CORRECT FIT.
D. APPLY PLASTIC LAMINATE IN FULL UNINTERRUPTED SHEETS; FIT CORNERS AND JOINTS TO HAIRLINE, SLIGHTLY BEVEL ARISES. APPLY LAMINATE BACKING SHEET TO REVERSE SIDE OF LAMINATE FACED SURFACES.
E. WHERE FIELD FITTING IS REQUIRED, PROVIDE AMPLE ALLOWANCE FOR CUTTING. PROVIDE TRIM FOR SCRIBING AND SITE CONDITIONS.
F. PROVIDE CUTOUTS AND REINFORCEMENT FOR PLUMBING, ELECTRICAL, APPLIANCES, AND ACCESSORIES. PRIME PAINT SURFACES OF CUT EDGES.

PART 3 EXECUTION
3.1 INSTALLATION
A. INSTALL IN ACCORDANCE WITH AIA/AIAWMA/WI ARCHITECTURAL WOODWORK STANDARDS.
B. SET PLUMB, RIGID AND LEVEL.
C. SCRIBE TO ADJACENT CONSTRUCTION WITH MAXIMUM 1/8 INCH GAPS.
D. FILL JOINTS BETWEEN TOPS AND ADJACENT CONSTRUCTION WITH JOINT SEALER AS SPECIFIED IN SECTION 07 9200; FINISH FLUSH.
3.2 FINISH HARDWARE SCHEDULE
A. SHELVES SHALL BE INSTALLED ON HEAVY DUTY, ADJUSTABLE KNIFE BRACKETS, KNAPE & VOGT NO. 180-12, AND KNAPE & VOGT NO. 80 STANDARDS, AS NOTED ON DRAWINGS. STANDARDS AND BRACKETS TO BE STEEL WITH ANOCHROME FINISH. ISOLATED, INDIVIDUAL SHELVES SHALL BE MOUNTED DIRECTLY TO THE WALL WITH KNAPE & VOGT NO. 204 STEEL BRACKETS, ANOCHROME FINISH, AND LENGTH AS SHOWN ON THE DRAWINGS.

SECTION 06 4600
WOOD TRIM
PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. INTERIOR WOOD TRIM.
1.2 SUBMITTALS
A. SUSTAINABLE DESIGN SUBMITTALS:
1. MATERIALS REUSE.
2. REGIONAL MATERIALS.
3. LOW-EMITTING MATERIALS.
4. CERTIFIED WOOD.
1.3 DELIVERY, STORAGE AND HANDLING
A. DO NOT DELIVER MATERIALS UNTIL PROPER PROTECTION CAN BE PROVIDED, AND UNTIL NEEDED FOR INSTALLATION.
1.4 PROJECT CONDITIONS
A. ENVIRONMENTAL REQUIREMENTS: MAINTAIN FOLLOWING CONDITIONS IN BUILDING FOR MINIMUM 7 DAYS PRIOR TO, DURING, AND AFTER INSTALLATION OF INTERIOR TRIM:
1. TEMPERATURE: 60 TO 80 DEGREES F.
2. HUMIDITY: 43 TO 70 PERCENT.

PART 2 PRODUCTS
2.1 MATERIALS
A. INTERIOR TRIM:
1. GRADED IN ACCORDANCE WITH AIA/AIAWMA/WI ARCHITECTURAL WOODWORK STANDARDS; SECTION 3 REQUIREMENTS FOR QUALITY GRADE SPECIFIED, AVERAGE MOISTURE CONTENT OF 6 PERCENT.
2. MAPLE SPECIES, NO. 1 SELECT, OF QUALITY SUITABLE FOR OPAQUE AND TRANSPARENT FINISHES.
2.2 ACCESSORIES
A. FASTENERS: TYPE AND SIZE AS REQUIRED BY CONDITIONS OF USE; PLAIN STEEL FOR INTERIOR USE; HOT DIP GALVANIZED STEEL FOR EXTERIOR USE.
B. ADHESIVES:

1. WATERPROOF, WATER BASED TYPE, COMPATIBLE WITH TRIM AND SUBSTRATE MATERIALS.
2. MAXIMUM VOLATILE ORGANIC COMPOUND (VOC) CONTENT: 30 GRAMS PER LITER.
A. FASTENERS: TYPE AND SIZE AS REQUIRED BY CONDITIONS OF USE; PLAIN STEEL FOR INTERIOR USE; HOT DIP GALVANIZED STEEL FOR EXTERIOR USE.
2.3 FINISHES
A. FACTORY FINISHING:
1. PAINT OR STAIN AS INDICATED ON DRAWINGS.

PART 3 EXECUTION
3.1 PREPARATION
A. PRIOR TO INSTALLATION, CONDITION WOOD TO AVERAGE HUMIDITY THAT WILL PREVAIL AFTER INSTALLATION.
3.2 INSTALLATION
A. INSTALL IN ACCORDANCE WITH AIA/AIAWMA/WI ARCHITECTURAL WOODWORK STANDARDS.
B. INSTALL IN LONGEST PRACTICAL LENGTHS.
C. SET PLUMB AND LEVEL.
D. MITER ENDS, CORNERS, AND INTERSECTIONS.
E. SCRIBE TO ADJACENT CONSTRUCTION WITH MAXIMUM 1/8 INCH GAPS.
F. FASTEN OR ADHERE TO SUPPORTING CONSTRUCTION.

SECTION 07 2115
BATT INSULATION
PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. BATT INSULATION IN EXTERIOR WALL AND ROOF ASSEMBLIES.
1.3 SUBMITTALS
A. SUSTAINABLE DESIGN SUBMITTALS:
1. RECYCLED CONTENT.
2. REGIONAL MATERIALS.
3. RAPIDLY RENEWABLE MATERIALS.
4. RECYCLED CONTENT
i) FOR PRODUCTS HAVING RECYCLED CONTENT, DOCUMENTATION INDICATING PERCENTAGES BY WEIGHT OF POST-CONSUMER AND PRE-CONSUMER RECYCLED CONTENT. INCLUDE STATEMENT INDICATING COSTS FOR EACH PRODUCT HAVING RECYCLED CONTENT.
1.4 PROJECT CONDITIONS
A. DO NOT INSTALL UNTIL INSULATION UNTIL BUILDING IS SUBSTANTIALLY WATER AND WEATHER TIGHT.

PART 2 PRODUCTS
2.1 MATERIALS
A. THERMAL BATT INSULATION:
1. TYPE: ASTM C865, GLASS FIBER COMPOSITION.
2. FABRICATE REINFORCED KRAFT PAPER VAPOR BARRIER ON ONE SIDE WITH STAPLING FLANGES OR ALUMINUM FOIL/SCRIM/KRAFT PAPER VAPOR BARRIER ON ONE SIDE WITH STAPLING FLANGES.
3. FREE FROM UREA-FORMALDEHYDE RESINS.
i) INSULATION MANUFACTURED WITH 100 PERCENT ACRYLIC BINDERS AND NO UREA-FORMALDEHYDE.
4. THERMAL RESISTANCE:
a. 3-1/2 INCHES THICK: R-VALUE OF 11.00.
b. 3-5/8 INCHES THICK: R-VALUE OF 13.00.
c. 6-1/4 INCHES THICK: R-VALUE OF 19.00.
d. 6-1/2 INCHES THICK: R-VALUE OF 22.0.
e. 8-1/2 INCHES THICK: R-VALUE OF 25.0.
f. 9 INCHES THICK: R-VALUE OF 26.0.
g. 10 INCHES THICK: R-VALUE OF 30.00.
h. 12 INCHES THICK: R-VALUE OF 38.00.

PART 3 EXECUTION
3.1 INSTALLATION
A. STAPLE OR NAIL IN PLACE AT MAXIMUM 12 INCHES ON CENTER.
B. BUTT INSULATION TO ADJACENT CONSTRUCTION. BUTT ENDS AND EDGES.
C. CARRY INSULATION AROUND PIPES, WIRING, BOXES, AND OTHER COMPONENTS.
D. ENSURE COMPLETE ENCLOSURE OF SPACES WITHOUT VOIDS.
E. APPLY WITH VAPOR BARRIER FACING TOWARDS EXTERIOR OR INTERIOR OF STRUCTURE BASED ON LOCAL CLIMATE DESIGN REQUIREMENTS.
F. TAPE SEAL LAPPTIE FLANGES, BUTT ENDS, AND TEARS AND HOLES IN FACINGS.

SECTION 07 9200
JOINT SEALERS
PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. JOINT BACKING MATERIALS.
2. JOINT SEALERS.
1.3 SUBMITTALS
A. SUBMITTALS FOR REVIEW:
1. PRODUCT DATA: INDICATE SEALERS, PRIMERS, BACKUP MATERIALS, BOND ADHESIVES, AND ACCESSORIES PROPOSED FOR USE.
B. SUSTAINABLE DESIGN SUBMITTALS:
1. REGIONAL MATERIALS.
2. LOW-EMITTING MATERIALS.
1.4 QUALITY ASSURANCE
A. MAXIMUM VOLATILE ORGANIC COMPOUND (VOC) CONTENT; INTERIOR SEALERS AND ACCESSORIES.
1. SEALANTS: 250 GRAMS PER LITER.
2. PRIMERS FOR NON-POROUS SUBSTRATES: 250 GRAMS PER LITER.
3. PRIMERS FOR POROUS SUBSTRATES: 775 GRAMS PER LITER.
1.5 PROJECT CONDITIONS
A. DO NOT APPLY JOINT SEALERS AT TEMPERATURES BELOW 40 DEGREES F UNLESS APPROVED BY SEALER MANUFACTURER.

PART 2 PRODUCTS
2.1 MATERIALS
A. JOINT SEALER TYPE 1:
1. ASTM C920, GRADE NS, SINGLE COMPONENT BUTYL RUBBER TYPE, NON SAG.
2. MOVEMENT CAPABILITY: PLUS OR MINUS 12-1/2 PERCENT.
3. COLOR: TO BE SELECTED FROM MANUFACTURER'S FULL COLOR RANGE, MATCH ADJACENT FINISH.
B. JOINT SEALER TYPE 2:
1. ASTM C920, GRADE NS, SINGLE COMPONENT SILICONE, NON SAG, MILDEW RESISTANT.
2. MOVEMENT CAPABILITY: PLUS OR MINUS 25 PERCENT.
3. COLOR: TO BE SELECTED FROM MANUFACTURER'S FULL COLOR RANGE, MATCH ADJACENT FINISH.
2.2 ACCESSORIES
A. PRIMERS, BONDBREAKERS, AND SOLVENTS: AS RECOMMENDED BY SEALER MANUFACTURER.
B. JOINT BACKING:
1. ASTM C1330, CLOSED CELL POLYETHYLENE FOAM, PREFORMED ROUND JOINT FILLER, NON ABSORBING, NON STAINING, RESILIENT, COMPATIBLE WITH SEALER AND PRIMER, RECOMMENDED BY SEALER MANUFACTURER FOR EACH SEALER TYPE.
2. SIZE: MINIMUM 1.25 TIMES JOINT WIDTH.

PART 3 EXECUTION
3.1 PREPARATION
A. REMOVE LOOSE AND FOREIGN MATTER THAT COULD IMPAIR ADHESION. IF SURFACE HAS BEEN SUBJECT TO CHEMICAL CONTAMINATION, CONTACT SEALER MANUFACTURER FOR RECOMMENDATION.
B. CLEAN AND PRIME JOINTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
C. PROTECT ADJACENT SURFACES WITH MASKING TAPE OR PROTECTIVE COVERINGS.
D. SEALER DIMENSIONS:
1. MINIMUM JOINT SIZE: 1/4 X 1/4 INCH.
2. JOINTS 1/4 TO 1/2 INCH WIDE: DEPTH EQUAL TO WIDTH.
3. JOINTS OVER 1/2 INCH WIDE: DEPTH EQUAL TO ONE HALF OF WIDTH.
3.2 APPLICATION
A. APPLY PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. INSTALL SEALERS AND ACCESSORIES IN ACCORDANCE WITH ASTM C1193.
C. INSTALL JOINT BACKING TO MAINTAIN REQUIRED SEALER DIMENSIONS. COMPRESS BACKING APPROXIMATELY 25 PERCENT WITHOUT PUNCTURING SKIN. DO NOT TWIST OR STRETCH.
D. USE BONDBREAKER TAPE WHERE JOINT BACKING IS NOT INSTALLED.
E. FILL JOINTS FULL WITHOUT AIR POCKETS, EMBEDDED MATERIALS, RIDGES, AND SAGS.
F. TOOL SEALER TO SMOOTH PROFILE.
G. APPLY SEALER WITHIN MANUFACTURER'S RECOMMENDED TEMPERATURE RANGE.
3.3 CLEANING
A. CLEAN ADJACENT SURFACES.

08 1113
HOLLOW METAL DOORS AND FRAMES
PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. HOLLOW STEEL DOORS AND FRAMES.
1.2 SUBMITTALS
1. SUBMIT MANUFACTURER'S PUBLISHED LITERATURE FOR DOORS AND FRAMES.
1.3 QUALITY ASSURANCE
A. DOORS: ANSI/SDI A250.8.
1. GRADE: II - HEAVY DUTY - 16 GAGE
2. MODEL: 1 - FULL FLUSH.
3. EXTERIOR DOORS: MAXIMUM THERMAL TRANSMITTANCE U-VALUE OF 0.50.
B. FRAMES: ANSI/SDI A250.8, GRADE II - HEAVY DUTY - 16 GAGE.
1.4 DELIVERY, STORAGE AND HANDLING
A. SHIP DOOR FRAMES WITH REMOVABLE ANGLE SPREADER; DO NOT REMOVE UNTIL FRAME IS INSTALLED.
B. STORE DOORS UPRIGHT IN PROTECTED, DRY AREA, OFF-GROUND OR FLOOR, WITH AT LEAST 1/4 INCH SPACE BETWEEN INDIVIDUAL UNITS.

PART 2 PRODUCTS
2.1 MANUFACTURERS
A. ACCEPTABLE MANUFACTURERS:
1. MEMBERS OF THE STEEL DOOR INSTITUTE AND OF THE NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS, SUBJECT TO COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
2.2 MATERIALS
A. STEEL SHEET:
1. ASTM A1008/1008M, COLD ROLLED.
2. RECYCLED CONTENT: MINIMUM PERCENT, WITH MINIMUM PERCENT CLASSIFIED AS POST-CONSUMER AS SHOWN ON DRAWINGS
B. DOOR CORE:
1. EXTERIOR DOORS: FOAMED-IN-PLACE POLYURETHANE INSULATION MANUFACTURED USING LOW-EMITTING, UREA FORMALDEHYDE-FREE BINDERS.
2.3 FABRICATION
A. FABRICATE DOORS AND FRAMES IN ACCORDANCE WITH ANSI/SDI A250.8.
B. FABRICATE EXTERIOR DOORS AND FRAMES FROM GALVANIZED STEEL SHEET.
C. DOORS:
1. FABRICATE FROM MINIMUM 16 GAGE SHEETS.
2. CLOSE TOP AND BOTTOM EDGES OF DOORS WITH STEEL CHANNEL, MINIMUM 16 GAGE, EXTENDING FULL WIDTH OF DOOR, AND SPOT WELDED TO BOTH FACES, WITH TOP CHANNEL FLUSH AND BOTTOM CHANNEL RECESSED.
D. FRAMES:
1. FABRICATE FROM MINIMUM 16 GAGE SHEETS.
2. PROVIDE SELF-ALIGNING TABS AND SLOTS TO HOLD CORNERS IN ALIGNMENT.
3. ANCHORS:
a. PROVIDE ONE ANCHOR AT EACH JAMB FOR EACH 30 INCHES OF DOOR HEIGHT.
b. PROVIDE ONE FLOOR ANCHOR WELDED TO EACH JAMB.
E. ACCURATELY FORM TO REQUIRED SIZES AND PROFILES.
F. DO NOT USE METALLIC FILLER TO CONCEAL MANUFACTURING DEFECTS.
G. FABRICATE WITH INTERNAL REINFORCEMENT FOR HARDWARE SPECIFIED IN SECTION 08 7100; WELD IN PLACE.
H. DESIGN CLEARANCES:
1. BETWEEN DOOR AND FRAME: MAXIMUM 1/8 INCH.
2. UNDERCUT:
a. NON-FIRE RATED DOORS: MAXIMUM 3/4 INCH.
3. BETWEEN FACE OF DOOR AND STOP: 1/16 TO 3/32 INCH.
I. MANUFACTURING TOLERANCES: IN ACCORDANCE WITH SDI-117.
2.4 FINISHES
A. DRESS TOOL MARKS AND SURFACE IMPERFECTIONS TO SMOOTH SURFACES.
B. CLEAN AND CHEMICALLY TREAT STEEL SURFACES.
C. TOUCH UP DAMAGED METALLIC COATINGS.
D. APPLY MANUFACTURER'S STANDARD RUST INHIBITING PRIMER PAINT, AIR-DRIED OR BAKED ON, MEETING REQUIREMENTS OF ANSI/SDI A250.10.

PART 3 EXECUTION
3.1 INSTALLATION
A. INSTALL DOORS AND FRAMES IN ACCORDANCE WITH ANSI/SDI A250.11.
B. SET PLUMB AND LEVEL.
C. SECURE TO ADJACENT CONSTRUCTION USING FASTENER TYPE BEST SUITED TO APPLICATION.
3.2 ADJUSTING
A. TOUCH UP MINOR SCRATCHES AND ABRASIONS IN PRIMER PAINT TO MATCH FACTORY FINISH.

08 1113
FLUSH WOOD DOORS
PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. WOOD VENEER FACED FLUSH DOORS.
B. RELATED SECTIONS:
1. SECTION 08 7100 - DOOR HARDWARE
1.3 SUBMITTALS
A. SUBMIT MANUFACTURER'S PRODUCT LITERATURE FOR EACH TYPE OF DOOR
1.4 DELIVERY, STORAGE AND HANDLING
A. PACKAGE DOORS IN HEAVY PLASTIC WITH IDENTIFYING MARKS; SLIT PLASTIC WRAP ON SITE TO PERMIT VENTILATION, BUT DO NOT REMOVE FROM PLASTIC UNTIL READY TO INSTALL.
B. DO NOT DELIVER DOORS UNTIL BUILDING IS SUBSTANTIALLY WATER AND WEATHER TIGHT.
C. STORE DOORS FLAT AND LEVEL, WITH SPACERS BETWEEN DOORS TO ALLOW FOR AIR CIRCULATION, IN PROTECTED, DRY AREA.
D. ENVIRONMENTAL REQUIREMENTS: MAINTAIN FOLLOWING CONDITIONS IN BUILDING FOR MINIMUM 7 DAYS PRIOR TO, DURING, AND AFTER INSTALLATION OF DOORS:
1. TEMPERATURE: 60 TO 80 DEGREES F.
2. HUMIDITY: 25 TO 55 PERCENT.

PART 2 PRODUCTS
2.1 MATERIALS
A. FLUSH WOOD DOORS:
1. WDMA I.S.1A.
2. CORE TYPE:
a. SOLID, NON-RATED: TYPE PC - PARTICLEBOARD CORE, BONDED,
3. WOOD VENEER FACES:
a. CLOSED GRAIN HARDWOOD, OF QUALITY SUITABLE FOR OPAQUE FINISH.
b. CERTIFIED TO FSC STD-04-004.
4. ADHESIVES: WATER RESISTANT.
2.2 FABRICATION
A. FABRICATE DOORS IN ACCORDANCE WITH WDMA I.S.1A.
1. PERFORMANCE DUTY LEVEL: HEAVY DUTY.
2. NUMBER OF PILES: 5.
3. VENEER MATCHING:
a. PIECE MATCH: SLIP.

PART 3 EXECUTION
3.1 PREPARATION
A. CONDITION DOORS TO AVERAGE HUMIDITY THAT WILL BE ENCOUNTERED AFTER INSTALLATION.
3.2 INSTALLATION
A. INSTALL DOORS IN ACCORDANCE WITH WDMA I.S.1A.
B. INSTRUCTIONS:
C. FIELD FITTING TO FRAMES:
1. NON-RATED DOORS:
a. WIDTH: CUT HINGE AND LOCK EDGES EQUALLY.
b. HEIGHT: CUT BOTTOM EDGE ONLY; MAXIMUM 3/4 INCH.
2. JAMBS AND HEAD: 1/8 INCH MAXIMUM BETWEEN DOOR AND FRAME.
a. SILLS WITHOUT THRESHOLDS: 1/8 INCH MAXIMUM BETWEEN DOOR AND TOP OF FINISH FLOOR.
3. LOCK EDGE: BEVEL 1/8 INCH IN 2 INCHES.
4. TO MAINTAIN JOINTS DOWN TO OPENING SIZES SMALLER THAN THOSE FOR WHICH THEY WERE MANUFACTURED.
D. INSTALLATION TOLERANCES:
1. WARP: MAXIMUM 1/4 INCH IN ANY 3'-0" X 7'-0" PORTION OF DOOR, MEASURED WITH TAUT STRING OR STRAIGHT EDGE ON CONCAVE FACE OF DOOR.

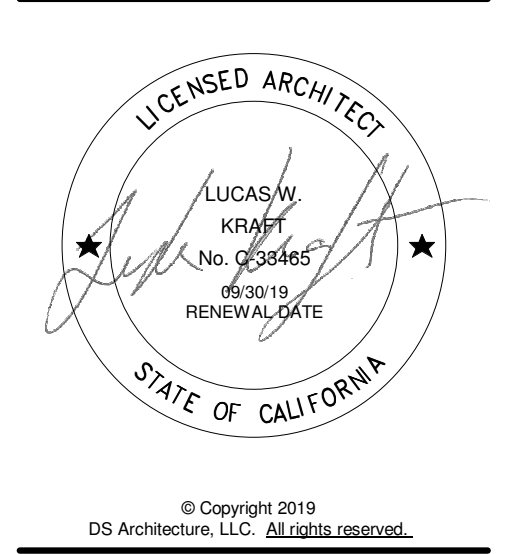
SECTION 08 7100
DOOR HARDWARE
A. SUPPLIER: FINISH HARDWARE SHALL BE SUPPLIED BY RECOGNIZED BUILDERS' HARDWARE SUPPLIER WHO HAS BEEN FURNISHING HARDWARE IN SAME AREA AS THE PROJECT FOR A PERIOD OF NOT LESS THAN TWO YEARS.
B. INSTALLER: FINISH HARDWARE SHALL BE INSTALLED ONLY BY EXPERIENCED TRADESMEN IN COMPLIANCE WITH TRADE UNION JURISDICTIONS, EITHER AT THE DOOR AND FRAME FABRICATION PLANT OR AT THE PROJECT SITE.
C. CODES: ALL FINISH HARDWARE SHALL COMPLY WITH APPLICABLE LOCAL AND/OR STATE BUILDING CODES.
D. HARDWARE ITEMS: AS SCHEDULED ON THE DRAWINGS.

SECTION 08730
DOOR AND HARDWARE INSTALLATION
A. INSTALLATION:
1. MARK EACH ITEM OF HARDWARE AS TO DESCRIPTION AND LOCATION OF INSTALLATION IN ACCORDANCE WITH APPROVED HARDWARE SCHEDULE.
2. INSTALL EACH HARDWARE ITEM IN COMPLIANCE WITH MANUFACTURER'S INSTRUCTIONS. WHEREVER CUTTING AND FITTING ARE REQUIRED TO INSTALL HARDWARE ONTO OR INTO SURFACES WHICH ARE LATER TO BE PAINTED OR FINISHED IN ANOTHER WAY, INSTALL EACH ITEM COMPLETELY AND THEN REMOVE AND STORE IN A SECURE PLACE DURING THE FINISH OPERATION. AFTER COMPLETION OF THE FINISHES, REINSTALL EACH ITEM. DO NOT INSTALL SURFACE MOUNTED ITEMS UNTIL FINISHES HAVE BEEN COMPLETED ON THE SUBSTRATE.
3. HARDWARE MOUNTING HEIGHTS: MOUNTING HEIGHTS ARE BASED ON RECOMMENDATIONS OF THE NATIONAL BUILDERS' HARDWARE ASSOCIATION (NBHA). GENERALLY, MOUNT HARDWARE UNITS AT THE FOLLOWING LOCATIONS ON EACH DOOR OR DOOR OPENING, EXCEPT AS OTHERWISE INDICATED ON THE DRAWINGS OR REQUIRED TO MEET CODE AND HANDICAPPED REQUIREMENTS. VERIFY ANY CONFLICTS WITH LOCATION OF OTHER HARDWARE FOR PROPER CLEARANCES FOR INSTALLATION PRIOR TO CUTTING OR MILLING FOR SPECIFIED HARDWARE. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY IF SUCH CONFLICTS ARE DETERMINED.
a. LATCH AND LOCKSETS: 40 INCHES FINISH FLOOR TO CENTER OF KNOB
b. PUSH/PULL: 42 INCHES FINISH FLOOR TO CENTERLINE OF PUSH/PULL
c. PUSH PLATE: 1/2 INCH FROM EDGE OF DOOR; 42 INCHES TO CENTER LINE OF PLATE, EXCEPT 45 INCHES WHERE INDEPENDENT OF THE PUSH/PULL
d. KICK PLATES: MOUNT AT BOTTOM EDGE OF DOOR AND 1/2 INCH FROM OUTSIDE EDGE OF DOOR
e. TOP HINGE: 5 INCHES FROM TOP TO DOOR TO TOP OF HINGE
f. BOTTOM HINGE: 10 INCHES FROM FINISH FLOOR TO BOTTOM OF HINGE
g. BOTTOM HINGE: EQUAL DISTANCE BETWEEN TOP AND BOTTOM HINGES.
h. MULTIPLE HINGE LOCATIONS SHALL BE EQUALLY SPACES BETWEEN TOP AND BOTTOM HINGE
i. WALL STOPS: CENTERLINE OF KNOB OR POINT OF FIRST CONTACT
j. THRESHOLDS: MOUNT AT EXTERIOR DOORS SUCH THAT SLOPE BREAKAWAY FROM THRESHOLD IS AT LEAD EDGE OF DOOR. SET IN FULL BED OF CAULKING MATERIAL.
k. CLOSERS: MOUNT FOR MAXIMUM DEGREE OF OPENING OBTAINABLE CONSIDERING OTHER HARDWARE PROVIDED AND OPENING CONDITIONS. SIZE CLOSERS FOR CONDITIONS AND CODE REQUIREMENTS
l. TRIMP/PROTECTION: KICKPLATE SHALL BE LOCATED 4" X HEIGHT INDICATED
m. OTHER HARDWARE ITEMS SHALL BE LOCATED AS RECOMMEND BY NBHA, OR AS MAY BE SHOWN OR REQUIRED OTHERWISE
4. ADJUSTING AND CLEANING: ADJUST AND CHECK EACH OPERATING ITEM OF HARDWARE AND EACH DOOR TO ENSURE PROPER OPERATION. CLEAN DOOR AND HARDWARE.

SECTION 09 2900
GYPSON BOARD
PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. GYPSON BOARD.
2. CEMENTITIOUS PANELS.
3. TAPING AND BEDDING OF GYPSON BOARD.
1.4 PROJECT CONDITIONS
A. DO NOT INSTALL GYPSON BOARD UNTIL BUILDING IS SUBSTANTIALLY WEATHERTIGHT.
B. MAINTAIN TEMPERATURE IN SPACES IN WHICH WORK IS BEING PERFORMED ABOVE 50 DEGREES F DURING AND AFTER INSTALLATION.

PART 2 PRODUCTS
2.1 MANUFACTURERS
A. ACCEPTABLE MANUFACTURERS - GYPSON PANELS:
1. CERTANTEED GYPSON, INC. (WWW.CERTANTEED.COM)
2. GP GYPSON CORPORATION (WWW.GP.COM)
3. NATIONAL GYPSON CO. (WWW.NATIONALGYPSON.COM)
4. TEMPLE-INLAND (WWW.TEMPLEINLAND.COM)
5. USG CORPORATION (WWW.USG.COM)
B. ACCEPTABLE MANUFACTURERS - CEMENTITIOUS PANELS:
1. USG CORPORATION (WWW.USG.COM)
2.2 MATERIALS - GYPSON PANELS
A. REGULAR GYPSON BOARD: ASTM C1396; 48 INCHES WIDE X THICKNESS INDICATED; MAXIMUM PRACTICAL LENGTH, TAPERED EDGE.
B. FIRE RESISTANT GYPSON BOARD: ASTM C1396, TYPE X; 48 INCHES WIDE X THICKNESS INDICATED; MAXIMUM PRACTICAL LENGTH, TAPERED EDGE; APPLY TO FIRE RATED ASSEMBLIES.
C. WATER RESISTANT GYPSON BOARD: ASTM C1396; 48 INCHES WIDE X THICKNESS INDICATED; MAXIMUM PRACTICAL LENGTH, WATER RESISTANT; APPLY TO WALLS TO RECEIVE TILE, SANITARY WALL PANELS AND LOCATIONS SPECIFIED ON DRAWINGS.
D. FIRE RESISTANT, WATER RESISTANT GYPSON BOARD: ASTM C1396, TYPE X; 48 INCHES WIDE X [THICKNESS INDICATED]; MAXIMUM PRACTICAL LENGTH, WATER RESISTANT; APPLY TO WALLS TO RECEIVE TILE, SANITARY WALL PANELS AND WALLS AT LOCATIONS SPECIFIED ON DRAWINGS.
E. RECYCLED CONTENT: GYPSON WALLBOARD SHALL CONTAIN RECYCLED CONTENT MATERIAL AS FOLLOWS: PAPER FACINGS: A MINIMUM OF 100% POST-CONSUMER RECYCLED PAPER CONTENT. GYPSON CORES: WHERE FEASIBLE, A MINIMUM OF 10% POST-INDUSTRIAL RECYCLED GYPSON CONTENT. THE PERCENTAGE OF RECYCLED CONTENT IS BASED ON THE WEIGHT OF THE COMPONENT MATERIALS.
2.3 MATERIALS - CEMENTITIOUS PANELS
A. CEMENTITIOUS PANELS: ANSI A 118.9, HIGH DENSITY, CEMENTITIOUS WITH GLASS FIBER REINFORCING, 58 INCH THICK X 48 INCHES WIDE, MAXIMUM PRACTICAL LENGTH, ENDS AND EDGES SQUARE CUT; APPLY TO WALLS IN LOCATIONS AS INDICATED ON DRAWINGS.

2.4 ACCESSORIES
A. FASTENERS: ASTM C1002, TYPE W SCREWS, MINIMUM 5/8 INCH PENETRATION INTO FRAMING.
B. ADHESIVE:
1. TYPE RECOMMENDED BY GYPSON PANEL MANUFACTURER.
2. MAXIMUM VOLATILE ORGANIC COMPOUND (VOC) CONTENT: 50 GRAMS PER LITER.
C. TRIM ACCESSORIES: ASTM C1047.
1. MATERIAL: FORMED STEEL, MINIMUM 26 GAGE CORE STEEL, HOT DIP GALVANIZED FINISH, EXPANDED FLANGES.
2. CORNER REINFORCEMENT: GA-216, TYPE CB-100 X 100.
3. CASING: GA-216, TYPE LC.
4. CONTROL JOINT.
D. JOINT TREATMENT MATERIALS:
1. REINFORCING TAPE AND JOINT COMPOUND: ASTM C475.
2. JOINT COMPOUND: MAXIMUM VOLATILE ORGANIC COMPOUND (VOC) CONTENT: 250 GRAMS PER LITER.
3. .



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SPECIFICATIONS

SECTION 09 2900
GYPSUM BOARD (CONT)
PART 3 EXECUTION
3.1 INSTALLATION OF GYPSUM PANELS
A. INSTALL PANELS AND ACCESSORIES IN ACCORDANCE WITH ASTM C754, GA-216, AND MANUFACTURER'S INSTRUCTIONS.
B. ACCURATELY CUT PANELS TO FIT AROUND OPENINGS AND PROJECTIONS. DO NOT TEAR FACE PAPER OR BREAK GYPSUM CORE.
C. APPLY PANELS AT NON FIRE-RATED ASSEMBLIES IN MOST ECONOMICAL MANNER, WITH ENDS AND EDGES OCCURRING OVER SUPPORTS.
D. APPLY PANELS AT FIRE-RATED ASSEMBLIES AS REQUIRED BY DESIGN ASSEMBLY.
E. STAGGER JOINTS ON OPPOSITE SIDES OF PARTITIONS.
F. DO NOT LOCATE JOINTS TO ALIGN WITH EDGES OF OPENINGS UNLESS A CONTROL JOINT IS INSTALLED.
G. MECHANICALLY FASTEN SINGLE LAYER PANELS TO FRAMING. PLACE FASTENERS MINIMUM 3/8 INCH FROM EDGES OF PANELS; DRIVE HEADS SLIGHTLY BELOW SURFACE. STAGGER FASTENERS AT ABUTTING EDGES.
H. APPLY FACE LAYER OF DOUBLE LAYER APPLICATIONS WITH JOINTS OFFSET FROM THOSE IN BASE LAYER; SECURE WITH MECHANICAL FASTENERS TO FRAMING OR WITH ADHESIVE TO BASE LAYER.
I. AT DEFLECTION COMPENSATING HEAD TRACKS, CUT PANELS 1/2 INCH SHORT OF STRUCTURE AT HEAD; DO NOT SECURE PANELS TO TOP RUNNER CHANNEL.
J. TREAT CUT EDGES AND HOLES IN MOISTURE RESISTANT GYPSUM BOARD WITH JOINT SEALER.
K. WHERE RECESSED ITEMS OCCUR IN FIRE RATED PARTITIONS, BOX ITEM ON ALL SIDES WITH GYPSUM BOARD AS REQUIRED TO MAINTAIN CONTINUITY OF FIRE RATING.
3.2 INSTALLATION OF CEMENTITIOUS PANELS
A. INSTALL IN ACCORDANCE WITH ANSI A108.11 AND MANUFACTURER'S INSTRUCTIONS.
B. APPLY PANELS HORIZONTALLY, WITH ENDS OCCURRING OVER SUPPORTS. STAGGER END JOINTS IN ADJACENT ROWS.
C. CUT PANELS TO FIT AROUND OPENINGS AND PROJECTIONS.
D. MECHANICALLY FASTEN PANELS TO FRAMING AT MAXIMUM 12 INCHES ON CENTER.
3.3 INSTALLATION OF ACCESSORIES
A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. INSTALL CORNER REINFORCEMENT AT OUTSIDE CORNERS. USE SINGLE LENGTHS WHERE LENGTH OF CORNER DOES NOT EXCEED STANDARD LENGTH.
C. INSTALL CASINGS WHERE INDICATED AND WHERE GYPSUM BOARD ABUTS DISSIMILAR MATERIALS OR STOPS WITH EDGE EXPOSED.
D. INSTALL CONTROL JOINTS AT WALLS, PARTITIONS, AND PARTITIONS:
1. AT CHANGES IN BACKUP MATERIAL.
2. AT MAXIMUM 30 FEET ON CENTER.
3. ABOVE ONE JAMB OF OPENINGS IN PARTITIONS.
3.4 JOINT TREATMENT
A. TREAT JOINTS AND FASTENERS IN GYPSUM BOARD IN ACCORDANCE WITH GA-214.
B. LEVELS OF FINISH:
1. SURFACES IN SERVICE AREAS: LEVEL 1 FINISH.
2. SURFACES TO RECEIVE TILE: LEVEL 2 FINISH.
3. SURFACES TO RECEIVE WALL COVERINGS: LEVEL 4 FINISH.
4. SURFACES TO RECEIVE SEMI-GLOSS OR GLOSS PAINTS: LEVEL 5 FINISH.

SECTION 09 3000
TILING
PART 1 GENERAL
1.0 KEY ELEMENTS
A. ALL TILE AND SETTING MATERIALS ARE TO BE PURCHASED THROUGH DAL TILE
B. SUBSTRATE, SURFACE PREP, WATERPROOFING, MORTAR, AND GROUT PRODUCTS MATCH WHAT IS DETAILED IN THE WARRANTY
C. CONTRACTOR MUST FOLLOW APPROPRIATE TCNA INSTALLATION METHODS, INCLUDING E-171 FOR MOVEMENT JOINTS
D. FULL PHOTOS TAKEN AT COMPLETION OF EACH STEP TO VERIFY THAT WORK WAS PROPERLY COMPLETED
E. ALL DOCUMENTATION (INCLUDING PHOTOS, COPIES OF RECEIPTS, ETC.), PRESENTED TO RCM AT END OF PROJECT TO VALIDATE WARRANTY
1.1 SUMMARY
A. SECTION INCLUDES:
1. CERAMIC, PORCELAIN AND QUARRY TILE FLOOR AND WALL FINISHES.
1.2 QUALITY ASSURANCE
A. INSTALLER QUALIFICATIONS: MINIMUM 10 YEARS' EXPERIENCE IN WORK OF THIS SECTION
B. TILE AND TRIM UNITS: MEET ANSI A137.1, STANDARD GRADE.
C. STATIC COEFFICIENT OF FRICTION FOR FLOOR TILE: MINIMUM 0.60, TESTED TO ASTM C1028 IN DRY CONDITION.
1.3 DELIVERY, STORAGE AND HANDLING
A. DELIVER MORTAR, ADHESIVE, AND GROUT CONTAINERS BEARING HALLMARK CERTIFYING COMPLIANCE WITH REFERENCE STANDARDS.
B. PROTECT ADHESIVE CONTAINERS FROM FREEZING AND OVERHEATING ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
1.4 PROJECT CONDITIONS
A. ENVIRONMENTAL REQUIREMENTS: MAINTAIN MINIMUM AMBIENT TEMPERATURE OF 50 DEGREES F DURING AND AFTER INSTALLATION.
1.5 MAINTENANCE
A. EXTRA MATERIALS: 2 PERCENT OF EACH TILE.
1.6 WARRANTY REQUIREMENTS
A. REQUIREMENTS
1. DAL INSTALLATION REQUIREMENTS CAN BE OBTAINED BY CALLING TECHNICAL SUPPORT AT (214) 398-1411 OR THROUGH WWW.DALTILE.COM. A COMPLETE DAL SYSTEM OF PRODUCTS MUST BE USED INCLUDING MORTARS AND GROUTS TO QUALIFY FOR THIS LIMITED WARRANTY. SURFACE PREPARATION PRODUCT SELECTION IS OPTIONAL DEPENDING ON THE JOB REQUIREMENTS. ALL INSTALLATIONS OVER 5,000 SQUARE FEET MUST RECEIVE PRE-APPROVAL BY CALLING A DAL ARCHITECTURAL CONSULTANT. MULTIPLE RESIDENCE (ONE PROJECT) INSTALLATIONS ARE CONSIDERED AS ONE INSTALLATION.
B. PRODUCTS COVERED:
1. LEVELQUIK LATEX PRIMER
2. LEVELQUIK'S RAPID SETTING SELF-LEVELING UNDERLAYMENT
3. SPEEDSLOPE RAPID SETTING SLOPING MORTAR
4. REDGARD WATERPROOFING AND CRACK PREVENTION MEMBRANE
5. PROLITE MORTAR
6. PRISM GROUT
7. CEG-LITE GROUT
8. COMMERCIAL 100% SILICONE CAULK
PART 2 PRODUCTS
2.1 MANUFACTURERS
A. ACCEPTABLE MANUFACTURERS - TILE:
1. DAL-TILE CORP. (WWW.DALTILEPRODUCTS.COM)
B. ACCEPTABLE MANUFACTURERS - SETTING PRODUCTS
1. CUSTOM BUILDING PRODUCTS
C. SUBSTITUTIONS: NOT PERMITTED.
2.2 MATERIALS
A. TILE:
1. SIZE: AS INDICATED ON DRAWINGS.
2. COLOR: AS INDICATED ON DRAWINGS.
3. TRIM UNITS: BEADS, COVES, AND BULLNOSES, COLOR TO MATCH TILE.
2.3 ACCESSORIES
A. LATEX-PORTLAND CEMENT MORTAR: ANSI A118.4, POLYMER MODIFIED DRY SET TYPE.
B. DRY SET PORTLAND CEMENT MORTAR: ANSI A118.1, POLYMER MODIFIED DRY SET TYPE.
C. EPOXY ADHESIVE:
1. ANSI A118.3, THIN SET BOND TYPE.
2. MAXIMUM VOLATILE ORGANIC COMPOUND (VOC) CONTENT: 65 GRAMS PER LITER.
D. PORTLAND CEMENT: ASTM C150, TYPE 1, WHITE COLOR.
E. SAND: ASTM C144, CLEAN, FREE OF ORGANIC MATTER.
F. LIME: ASTM C207, TYPE S, HYDRATED.
G. WATER: CLEAN, POTABLE.
H. GROUT:
1. A118.3, EPOXY TYPE.
2. COLOR: AS INDICATED ON DRAWINGS.
I. JOINT SEALERS: SPECIFIED IN SECTION 07 9200.
J. JOINT TAPE: WATERPROOF, PERFORATED BEDDING TAPE.

PART 3 EXECUTION
3.1 PREPARATION
A. CLEAN SURFACES TO REMOVE LOOSE AND FOREIGN MATTER THAT COULD IMPAIR ADHESION.
B. REMOVE RIDGES AND PROJECTIONS. FILL VOIDS AND DEPRESSIONS WITH PATCHING COMPOUND COMPATIBLE WITH SETTING MATERIALS.
C. PERFORM SUBSTRATE TOLERANCES:
1. THIN SET METHOD:
a. MAXIMUM VARIATION IN SUBSTRATE SURFACE: 1/8 INCH IN 8 FEET.
b. MAXIMUM HEIGHT OF ABRUPT IRREGULARITIES: 1/32 INCH.
2. THICK SET METHOD: MAXIMUM 1/4 INCH IN 10 FEET VARIATION IN SUBSTRATE SURFACE.
D. TEST CONCRETE SUBSTRATE TO ASTM D4263; DO NOT INSTALL TILE UNTIL SURFACES ARE SUFFICIENTLY DRY.
3.2 INSTALLATION
A. INSTALL CRACK SUPPRESSION MEMBRANE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. METHODS:
1. WALLS: ANSI A108.6, THIN SET WITH EPOXY ADHESIVE.
2. FLOORS: ANSI A108.5, THIN SET WITH LATEX-PORTLAND CEMENT MORTAR.
C. MINIMIZE PIECES LESS THAN ONE HALF SIZE. LOCATE CUTS TO BE INCONSPICUOUS.
D. LAY TILE TO PATTERN SHOWN ON DRAWINGS. DO NOT INTERRUPT TILE PATTERN THROUGH OPENINGS.
E. JOINT WIDTHS:
1. CERAMIC TILE: 1/8 INCH, PLUS OR MINUS 1/16 INCH.
2. PORCELAIN AND QUARRY TILE: 1/4 INCH, PLUS OR MINUS 1/8 INCH.
F. MAKE JOINTS WATERTIGHT, WITHOUT VOIDS, CRACKS, EXCESS MORTAR, OR EXCESS GROUT. ALIGN JOINTS IN WALL AND FLOOR OF SAME-SIZED TILE.
G. FIT TILE AROUND PROJECTIONS AND AT PERIMETER, SMOOTH AND CLEAN CUT EDGES. ENSURE THAT TRIM WILL COMPLETELY COVER CUT EDGES.
H. INSTALL TRIM UNITS:
1. INSIDE CORNERS: COVE UNITS.
2. OUTSIDE CORNERS: BEAD UNITS.
3. BASE: BASE UNITS.
4. EXPOSED TILE ENDS: BULLNOSE UNITS.
I. ALLOW TILE TO SET FOR A MINIMUM OF 48 HOURS BEFORE GROUTING.
J. GROUT TILE JOINTS IN ACCORDANCE WITH ANSI A108.10 WITHOUT EXCESS GROUT.
K. CONTROL JOINTS:
1. PROVIDE CONTROL JOINTS AT:
a. CHANGES IN BACKUP MATERIAL.
b. CHANGES IN PLANE.
c. OVER JOINTS IN SUBSTRATE.
d. MAXIMUM 24 FEET ON CENTER AT INTERIOR LOCATIONS EXCEPT MAXIMUM 8 FEET AT SURFACES EXPOSED TO DIRECT SUNLIGHT.
2. FORM JOINTS PER TCNA METHOD E-171.
3. INSTALL JOINT BACKING AND JOINT SEALER AS SPECIFIED IN SECTION 07 9200.
3.3 ADJUSTING
A. REMOVE AND REPLACE PIECES THAT HAVE BEEN DAMAGED DURING INSTALLATION.
3.4 PROTECTION
A. PROVIDE PROTECTION FOR COMPLETED WORK USING NON-STAINING SHEET COVERINGS.
B. PROHIBIT TRAFFIC ON TILE FLOORS FOR MINIMUM 3 DAYS AFTER INSTALLATION.

SECTION 09 5100
ACOUSTICAL CEILINGS
PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. SUSPENDED METAL CEILING GRID SYSTEM.
2. ACOUSTICAL PANELS.
1.2 SUBMITTALS
A. MANUFACTURER'S PRODUCT LITERATURE
1.3 PROJECT CONDITIONS
A. ENVIRONMENTAL REQUIREMENTS: INSTALL IN APPROXIMATELY SAME CONDITIONS OF TEMPERATURE AND HUMIDITY AS WILL PREVAIL AFTER INSTALLATION.
1.4 MAINTENANCE
A. EXTRA MATERIALS: ONE UNOPENED CARTON OF EACH ACOUSTICAL PANEL.
PART 2 PRODUCTS
2.1 MANUFACTURERS
A. ACCEPTABLE MANUFACTURERS
1. USG
2. ARMSTRONG
2.2 MATERIALS
A. SUSPENSION GRID SYSTEM:
1. GRID TYPE: EXPLOST T.
2. MATERIAL: GALVANIZED STEEL.
3. RUNNERS: 1-1/2 INCHES HIGH, 15/16 INCH EXPOSED WIDTH, FLUSH SLOTTED PROFILE.
4. PERIMETER MOLDING: ANGLE SHAPE.
5. FINISH: FACTORY APPLIED ENAMEL PAINT, SPRAYED AND BAKED, WHITE.
6. ACCESSORIES: STABILIZER BARS, CLIPS AND SPLICES.
B. ACOUSTICAL PANELS (PUBLIC AREAS) :
1. SIZE: 24 X 24 INCHES X 3/4 INCH THICK.
2. EDGE CONFIGURATION: BEVELED.
3. PERFORMANCE REQUIREMENTS: TESTED IN ACCORDANCE WITH ASTM E1264.
a. NRC: 0.55.
b. CAC: 35.
C. ACOUSTICAL PANELS (KITCHEN, SERVICE LINE AND FOOD AREAS) :
1. SIZE: 24 X 48 INCHES X 5/8 INCH THICK.
2. EDGE CONFIGURATION: SQUARE.
3. PERFORMANCE REQUIREMENTS: TESTED IN ACCORDANCE WITH ASTM E1264.
a. NRC: N/A
2.3 ACCESSORIES
A. SUPPORT CHANNELS: GALVANIZED STEEL; SIZE AND TYPE TO SUIT APPLICATION.
B. HANGER WIRE:
1. ASTM A641, MINIMUM 12 GAGE GALVANIZED STEEL.
C. TOUCH-UP PAINT: COLOR TO MATCH ACOUSTICAL PANELS AND SUSPENSION GRID.
PART 3 EXECUTION
3.1 INSTALLATION
A. INSTALL CEILINGS IN ACCORDANCE WITH ASTM C636 AND CISCA HANDBOOK.
B. MINIMIZE PANELS LESS THAN ONE HALF SIZE.
C. INSTALL MOLDING AROUND PERIMETERS AND ABUTTING SURFACES. MITER MOLDING AT EXTERIOR CORNERS; CUT FLANGES AND BEND WEB TO FORM INTERIOR CORNERS.
D. SPACE HANGER WIRES MAXIMUM 48 INCHES ON CENTER. INSTALL ADDITIONAL HANGERS WHERE REQUIRED TO SUPPORT LIGHT FIXTURES AND CEILING SUPPORTED EQUIPMENT.
E. DO NOT SUSPEND HANGERS DIRECTLY FROM METAL DECK. ATTACH STEEL CHANNEL HORIZONTALLY TO ADJACENT FRAMING MEMBERS; PLACE HANGER AT REGULAR SPACING.
F. HANG SUSPENSION SYSTEM INDEPENDENT OF WALLS, COLUMNS, DUCTS, PIPES, AND CONDUIT.
G. WHERE DUCTS OR OTHER EQUIPMENT PREVENT REGULAR SPACING OF HANGERS:
1. REINFORCE NEAREST RELATED HANGERS TO SPAN EXTRA DISTANCE, OR:
2. SUSPEND STEEL CHANNEL HORIZONTALLY BENEATH DUCT OR EQUIPMENT; PLACE HANGER AT REGULAR SPACING.
H. INSTALL MAIN TEES AT MAXIMUM 48 INCHES ON CENTER.
I. INSTALL CROSS TEES TO FORM 24 X 48 INCH MODULES. LOCK CROSS TEES TO MAIN TEES.
J. SUPPORT ENDS OF TEES ON FLANGE OF PERIMETER MOLDING.
K. PLACE ACOUSTICAL PANELS WITH EDGES RESTING FLAT ON SUSPENSION GRID.
L. CUTTING ACOUSTIC UNITS:
1. CUT TO FIT IRREGULAR GRID AND PERIMETER EDGE TRIM AND AROUND PENETRATIONS.
2. LOCATE CUTS TO BE CONCEALED.
3. CUT AND FIELD PAINT EXPOSED EDGES OF REVEAL EDGE UNITS TO MATCH FACTORY EDGE.
M. INSTALLATION TOLERANCES: CEILINGS LEVEL TO 1/8 INCH IN 12 FEET MEASURED IN ANY DIRECTION.
3.2 ADJUSTING
A. TOUCH UP MINOR SCRATCHES AND ABRASIONS TO MATCH FACTORY FINISH.

SECTION 09 7733
SANITARY WALL PANELS
PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. PREFINISHED SANITARY WALL PANELS.
2. TRIM.
1.3 QUALITY ASSURANCE
A. INSTALLER QUALIFICATIONS: MINIMUM 5 YEARS' EXPERIENCE IN WORK OF THIS SECTION.
1.4 PROJECT CONDITIONS
A. DO NOT INSTALL PRODUCTS IF TEMPERATURE, HUMIDITY, AND VENTILATION CONDITIONS ARE OUTSIDE LIMITS RECOMMENDED BY MANUFACTURER.
PART 2 PRODUCTS
2.1 MANUFACTURERS
A. ACCEPTABLE MANUFACTURERS:
1. CRANE COMPOSITES. (WWW.CRANECOMPOSITES.COM)
2. MARLITE. (WWW.MARLITE.COM)
B. SUBSTITUTIONS: NOT PERMITTED.
2.2 MATERIALS
A. SANITARY WALL PANELS:
1. TYPE: GLASS FIBER REINFORCED PLASTIC, USDA APPROVED FOR INCIDENTAL FOOD CONTACT.
2. SIZE: 3/32 INCH THICK X 48 INCHES WIDE X MAXIMUM PRACTICAL LENGTH.
3. COLOR: AS INDICATED ON DRAWINGS
2.3 ACCESSORIES
A. TRIM:
1. ONE PIECE EXTRUDED PVC, MANUFACTURER'S STANDARD PROFILE.
2. INSIDE AND OUTSIDE CORNERS, DIVISION BAR, AND J-MOLDING.
3. COLOR: TO MATCH PANELS.
B. ADHESIVE:
1. COMPATIBLE WITH PANELS AND SUBSTRATE; RECOMMENDED BY PANEL MANUFACTURER.
2. MAXIMUM VOLATILE ORGANIC COMPOUND (VOC) CONTENT: 70 GRAMS PER LITER.
C. JOINT SEALER: SPECIFIED IN SECTION 07 9200.
D. PATCHING COMPOUND: WHITE LATEX TYPE.
PART 3 EXECUTION
3.1 PREPARATION
A. PREPARE SUBSTRATE TO RECEIVE PANELS:
1. REMOVE HIGH SPOTS.
2. FILL LOW SPOTS WITH PATCHING COMPOUND; SAND SMOOTH.
3. REMOVE LOOSE AND FOREIGN MATTER THAT COULD IMPAIR ADHESION.
3.2 INSTALLATION
A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. INSTALL TRIM:
1. PANEL-TO-PANEL JOINTS: DIVISION BAR.
2. INTERNAL AND EXTERNAL CORNERS.
3. EXPOSED EDGES: J MOLDING.
4. SECURE TO SUBSTRATE.
C. CUT PANELS TO FIT AT PERIMETER AND AROUND PENETRATIONS. ENSURE THAT TRIM WILL COMPLETELY COVER CUT EDGES.
D. MAINTAIN 1/8 TO 3/16 INCH EXPANSION SPACE AT PERIMETER AND AROUND PENETRATIONS.
E. ADHERE PANELS TO SUBSTRATE WITH FULL BED OF ADHESIVE.
F. INSTALL CONTINUOUS BEAD OF JOINT SEALER BETWEEN PANELS AND TRIM AND BETWEEN TRIM AND ADJACENT CONSTRUCTION.

SECTION 09 9100
PAINTING
PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. TEXTURING OF GYPSUM BOARD.
2. SURFACE PREPARATION AND FIELD APPLICATION OF PAINTS.
1.2 SUBMITTALS
A. SUSTAINABLE DESIGN SUBMITTALS:
1. LOW-EMITTING MATERIALS
1.3 DELIVERY, STORAGE AND HANDLING
A. PAINT MATERIALS: STORE AT AMBIENT TEMPERATURE FROM 45 TO 90 DEGREES F IN VENTILATED AREA, OR AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS.
1.4 PROJECT CONDITIONS
A. DO NOT APPLY MATERIALS WHEN SURFACE AND AMBIENT TEMPERATURES OR RELATIVE HUMIDITY ARE OUTSIDE RANGES REQUIRED BY PAINT MANUFACTURER.
B. MAINTAIN AMBIENT AND SUBSTRATE TEMPERATURES ABOVE MANUFACTURER'S MINIMUM REQUIREMENTS FOR 24 HOURS BEFORE, DURING AND AFTER PAINT APPLICATION.
C. DO NOT APPLY MATERIALS WHEN RELATIVE HUMIDITY IS ABOVE 85 PERCENT OR WHEN DEW POINT IS LESS THAN 5 DEGREES F DIFFERENT THAN AMBIENT OR SURFACE TEMPERATURE.
D. PROVIDE LIGHTING LEVEL OF 30 FOOTCANDLES AT SUBSTRATE SURFACE.
1.5 MAINTENANCE
A. EXTRA MATERIALS: 1 GALLON OF EACH COLOR AND SHEEN.
PART 2 PRODUCTS
2.1 MANUFACTURERS
A. ACCEPTABLE MANUFACTURERS:
1. AS SHOWN ON THE DRAWINGS
B. SUBSTITUTIONS: NOT PERMITTED.
2.2 MATERIALS
A. PAINTS:
1. AS SCHEDULED AT END OF SECTION, OR APPROVED SUBSTITUTE.
2. FREE FROM ALL FORMS OF LEAD AND MERCURY.
3. ALL PAINTS USED IN EITHER FOOD PREPARATION, SALES OR STORAGE AREAS MUST BE NON-TOXIC TO FOODS.
2.3 ACCESSORIES
A. ACCESSORY MATERIALS: PAINT THINNERS AND OTHER MATERIALS REQUIRED TO ACHIEVE SPECIFIED FINISHES: COMMERCIAL QUALITY.
1. SIZE: 24 X 48 INCHES X 5/8 INCH THICK.
2. PATCHING MATERIALS: LATEX FILLER.
3. FASTENER HEAD COVER MATERIALS: LATEX FILLER.
2.3 MIXES
A. DELIVER PAINTS PRE-MIXED AND PRE-TINTED.
B. UNIFORMLY MIX TO THOROUGHLY DISPERSE PIGMENTS.
C. DO NOT THIN IN EXCESS OF MANUFACTURER'S RECOMMENDATIONS.
D. RE-MIX PAINT DURING APPLICATION; ENSURE COMPLETE DISPERSION OF SETTLED PIGMENT AND UNIFORMITY OF COLOR AND GLOSS.
PART 3 EXECUTION
3.1 EXAMINATION
A. TEST SHOP APPLIED PRIMER FOR COMPATIBILITY WITH SUBSEQUENT COATINGS.
B. MEASURE MOISTURE CONTENT OF SURFACES USING ELECTRONIC MOISTURE METER. DO NOT APPLY COATINGS UNLESS MOISTURE CONTENT OF SURFACES ARE BELOW FOLLOWING MAXIMUMS:
1. GYPSUM BOARD AND PLASTER: 12 PERCENT.
2. WOOD: 15 PERCENT, MEASURED TO ASTM D4442.
3.2 PREPARATION
A. GENERAL:
1. PROTECT ADJACENT AND UNDERLYING SURFACES.
2. REMOVE OR MASK ELECTRICAL PLATES, HARDWARE, LIGHT FIXTURE TRIM, ESCUTCHEONS, AND FITTINGS PRIOR TO PREPARING SURFACES OR FINISHING.
3. CORRECT DEFECTS AND CLEAN SURFACES CAPABLE OF AFFECTING WORK OF THIS SECTION.
4. SEAL MARKS THAT MAY BLEED THROUGH SURFACE FINISHES WITH SHELLAC.
B. IMPERVIOUS SURFACES: REMOVE MILDEW BY SCRUBBING WITH SOLUTION OF TRISODIUM PHOSPHATE AND BLEACH. RINSE WITH CLEAN WATER AND ALLOW TO DRY.
C. GYPSUM BOARD:
1. FILL MINOR DEFECTS WITH FILLER COMPOUND. SPOT PRIME DEFECTS AFTER REPAIR.
D. PLASTER:
1. FILL HAIRLINE CRACKS, SMALL HOLES, AND IMPERFECTIONS WITH LATEX PATCHING PLASTER. FINISH SMOOTH AND FLUSH WITH ADJACENT SURFACES.
2. WASH AND NEUTRALIZE HIGH ALKALI SURFACES.
E. ALUMINUM: SSPC METHOD SP1 - SOLVENT CLEANING.
F. UNCOATED FERROUS METALS: SSPC METHOD SP2 - HAND TOOL CLEANING OR METHOD SP3 - POWER TOOL CLEANING.
G. SHOP PRIMED FERROUS METALS:
1. SSPC METHOD SP2 - HAND TOOL CLEANING OR METHOD SP3 - POWER TOOL CLEANING.
2. FEATHER EDGES TO MAKE PATCHES INCONSPICUOUS.
3. PRIME BARE STEEL SURFACES.
H. INTERIOR WOOD:
1. WIPE OFF DUST AND GRIT.
2. SEAL KNOTS, PITCH STREAKS, AND SAPPY SECTIONS WITH SEALER.
3. FILL NAIL HOLES AND CRACKS AFTER PRIMER HAS DRIED; SAND BETWEEN COATS.
I. EXISTING SURFACES:
1. REMOVE LOOSE, FLAKING, POWDERY, AND PEELING PAINTS.
2. LIGHTLY SAND GLOSSY PAINTED SURFACES.
3. FILL HOLES, CRACKS, DEPRESSIONS AND OTHER IMPERFECTIONS WITH PATCHING COMPOUND; SAND FLUSH WITH SURFACE.
4. REMOVE OIL, GREASE, AND WAX BY SCRAPING; SOLVENT WASH AND THOROUGHLY RINSE.
5. REMOVE RUST BY WIRE BRUSHING TO EXPOSE BASE METAL.

3.3 APPLICATION
A. APPLY PAINTS IN ACCORDANCE WITH MPI PAINTING MANUAL, PREMIUM GRADE FINISH REQUIREMENTS.
B. APPLY PRIMER OR FIRST COAT CLOSELY FOLLOWING SURFACE PREPARATION TO PREVENT RECONTAMINATION.
C. DO NOT APPLY FINISHES TO SURFACES THAT ARE NOT DRY.
D. APPLY COATINGS TO MINIMUM DRY FILM THICKNESS RECOMMENDED BY MANUFACTURER.
E. APPLY EACH COAT OF PAINT SLIGHTLY DARKER THAN PRECEDING COAT UNLESS SPECIFIED OTHERWISE.
F. APPLY COATINGS TO UNIFORM APPEARANCE WITHOUT LAPS, SAGS, CURTAINS, HOLIDAYS, AND BRUSH MARKS.
G. ALLOW APPLIED COATS TO DRY BEFORE NEXT COAT IS APPLIED.
H. WHEN REQUIRED ON DEEP AND BRIGHT COLORS APPLY AN ADDITIONAL FINISH COAT TO ENSURE COLOR CONSISTENCY.
I. CONTINUE PAINT FINISHES BEHIND WALL-MOUNTED ACCESSORIES.
J. SAND BETWEEN COATS ON INTERIOR WOOD AND METAL SURFACES.
K. MATCH FINAL COAT TO APPROVED COLOR SAMPLES.
L. WHERE CLEAR FINISHES ARE SPECIFIED, TINT FILLERS TO MATCH WOOD. WORK FILLERS INTO GRAIN BEFORE SET. WIPE EXCESS FROM SURFACE.
M. PRIME CONCEALED SURFACES OF EXTERIOR WOOD AND INTERIOR WOOD IN CONTACT WITH MASONRY OR CEMENTITIOUS MATERIALS) WITH ONE COAT PRIMER PAINT.
N. MECHANICAL AND ELECTRICAL COMPONENTS:
1. PAINT FACTORY PRIMED EQUIPMENT.
2. REMOVE UNFINISHED AND PRIMED LOUVERS, GRILLES, COVERS, AND ACCESS PANELS; PAINT SEPARATELY.
3. PAINT EXPOSED AND INSULATED PIPES, CONDUIT, BOXES, DUCTS, HANGERS, BRACKETS, COLLARS, AND SUPPORTS UNLESS FACTORY FINISHED.
4. DO NOT PAINT NAME TAGS OR IDENTIFYING MARKINGS.
5. PAINT EXPOSED CONDUIT AND ELECTRICAL EQUIPMENT IN FINISHED AREAS.
6. PAINT DUCT WORK BEHIND LOUVERS, GRILLS, AND DIFFUSERS FLAT BLACK TO MINIMUM OF 18 INCHES OR BEYOND SIGHT LINE.
O. DO NOT PAINT:
1. SURFACES INDICATED ON DRAWINGS OR SPECIFIED TO BE UNPAINTED OR UNFINISHED.
2. SURFACES WITH FACTORY APPLIED FINISH COAT OR INTEGRAL FINISH.
3. ARCHITECTURAL METALS, INCLUDING BRASS, BRONZE, STAINLESS STEEL, AND CHROME PLATING.
3.4 ADJUSTING
A. TOUCH UP OR REFINISH DISFIGURED SURFACES.
3.5 CLEANING
A. REMOVE PAINT FROM ADJACENT SURFACES.
3.6 NEW BUILDING - INTERIOR FINISH SCHEDULE
A. DOORS AND TRIM
1. GALVANIZED IRON, NEW - SEMI-GLOSS FINISH
A. PRIMER, <100 G/L VOC
B. 2 COATS PAINT, <50 G/L VOC
B. WALLS IN COMMON AREAS:
1. EG-SHEL FINISH
A. PRIMER, <100 G/L VOC
B. 2 COATS PAINT, <50 G/L VOC
C. SOFFITS, CEILINGS AT RESTROOM, DRIVE-THRU, VESTIBULE
1. EG-SHEL FINISH
A. PRIMER, <100 G/L VOC
B. 2 COATS PAINT, <50 G/L VOC

SECTION 10 2813
KITCHEN ACCESSORIES
PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. KITCHEN ACCESSORIES
1.3 QUALITY ASSURANCE
A. CONFORM TO APPLICABLE ACCESSIBILITY CODE FOR LOCATING ACCESSORIES.
1.4 WARRANTIES
PART 2 PRODUCTS
2.1 MANUFACTURERS
A. ACCEPTABLE MANUFACTURERS:
1. AMERICAN SPECIALTIES, INC. (WWW.AMERICANSPECIALTIES.COM)
2. BOBRICK WASHROOM EQUIPMENT, INC. (WWW.BOBRICK.COM)
3. KIMBERLY-CLARK PROFESSIONAL (WWW.KOPROFESSIONAL.COM)
4. KAY CHEMICAL COMPANY (WWW.ECOLAB.COM)
5. EXCEL DRYER INC. (WWW.EXCELDRYER.COM)
6. PROCTOR AND GAMBLE (WWW.PG.COM)
B. SUBSTITUTIONS: NOT PERMITTED.
2.2 ACCESSORIES
A. FASTENERS: STAINLESS STEEL WHERE EXPOSED, HOT DIP GALVANIZED WHERE CONCEALED; TYPE BEST SUITED TO SUBSTRATE CONDITIONS.
2.3 FABRICATION
A. PROVIDE HANGERS, ADAPTERS, ANCHOR PLATES, AND ACCESSORIES REQUIRED FOR INSTALLATION.
PART 3 EXECUTION
3.1 INSTALLATION
A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. SET PLUMB, LEVEL, SQUARE, AND RIGID.
C. INSTALL WIRING BETWEEN POWER SUPPLY AND ACCESSORIES.
3.2 SCHEDULE
A. BATHROOM HARDWARE (SEE NATIONAL ACCOUNT SOURCE INFO FOR PACKAGE ORDERING INFORMATION) REFER TO RESTROOM EQUIPMENTS SCHEDULE ON SHEET.
B. KITCHEN AND STORAGE HARDWARE REFER TO KITCHEN EQUIPMENTS SCHEDULE ON SHEET.

SECTION 10 2113
STAINLESS STEEL TOILET COMPARTMENTS
PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES: STAINLESS STEEL TOILET COMPARTMENTS AND URINAL SCREENS
PART 2 PRODUCTS
2.1 MANUFACTURERS
A. ASI GLOBAL PARTITIONS
B. HEADRIAN, INC.
C. APPROVED EQUAL
2.2 TOILET PARTITION
A. FLOOR MOUNTED STAINLESS STEEL TOILET PARTITION WITH OVERHEAD BRACING.
2.3 URINAL SCREEN
A. WALL MOUNTED STAINLESS STEEL URINAL SCREEN, 24" DEEP X 58" TALL, INSTALLED WITH FULL LENGTH BRACKET HARDWARE ON BOTH SIDES.

SECTION 10 2800
TOILET ACCESSORIES
PART 1 GENERAL
1.1 SUMMARY
A. SECTION INCLUDES: TOILET ACCESSORIES
1.2 SUBMITTALS
A. SUBMIT MANUFACTURER'S PRODUCT DATA, INCLUDING DESCRIPTION OF EACH ITEM TO BE SUPPLIED
PART 2 PRODUCTS
2.1 MANUFACTURERS
A. BOBRICK WASHROOM EQUIPMENT COMPANY, UNLESS APPROVED OTHERWISE
B. ACCESSORIES
1. GRAB BARS: AS INDICATED ON TOILET ACCESSORIES SCHEDULE
2. PAPER TOWEL DISPENSER: AS INDICATED ON TOILET ACCESSORIES SCHEDULE
3. TOILET PAPER DISPENSER: AS INDICATED ON TOILET ACCESSORIES SCHEDULE
4. DOOR COAT HOOK: AS INDICATED ON TOILET ACCESSORIES SCHEDULE
5. MIRROR: AS INDICATED ON TOILET ACCESSORIES SCHEDULE
PART 3 EXECUTION
3.1 INSTALLATION
A. SECURE EACH ITEM IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND IN FULL COMPLIANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTION. USE TAMPER-PROOF FASTENERS.

SECTION 13900
DESIGN-BUILD FIRE PROTECTION SYSTEM
PART 1 GENERAL
1.1 WORK INCLUDED
A. FURNISH ALL LABOR AND MATERIAL NECESSARY FOR THE COMPLETE INSTALLATION OF THE WIRELESS DRIVE-THRU COMMUNICATION SYSTEM SHOWN ON THE DRAWINGS, AS SPECIFIED IN THIS SECTION AND IN THE NATIONAL ACCOUNT SOURCE INFORMATION.
PART 2 PRODUCTS
2.1 MATERIAL / EQUIPMENT
A. REFER TO THE NATIONAL ACCOUNT SOURCE INFORMATION FOR ORDERING INFORMATION, PRICES, DETAILED ITEM DESCRIPTIONS AND MODEL NUMBERS.
PART 3 EXECUTION
3.1 INSTALLATION
A. ALL INSTALLATION IS TO BE PERFORMED BY AN AUTHORIZED INSTALLER.

SECTION 26 7600
DRIVE-THRU WIRELESS COMMUNICATION SYSTEM
PART 1 GENERAL
1.1 WORK INCLUDED
A. FURNISH ALL LABOR AND MATERIAL NECESSARY FOR THE COMPLETE INSTALLATION OF THE WIRELESS DRIVE-THRU COMMUNICATION SYSTEM SHOWN ON THE DRAWINGS, AS SPECIFIED IN THIS SECTION AND IN THE NATIONAL ACCOUNT SOURCE INFORMATION.
PART 2 PRODUCTS
2.1 MATERIAL / EQUIPMENT
A. REFER TO THE NATIONAL ACCOUNT SOURCE INFORMATION FOR ORDERING INFORMATION, PRICES, DETAILED ITEM DESCRIPTIONS AND MODEL NUMBERS.
PART 3 EXECUTION
3.1 INSTALLATION
A. ALL INSTALLATION IS TO BE PERFORMED BY AN AUTHORIZED INSTALLER.

END OF CONSTRUCTION SPECIFICATIONS



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TravelCenters of America LLC
Tejon East Travel Plaza at Wheeler Ridge

5621 Outlets at Tejon Parkway
Wheeler Ridge, CA 93023

Issue Description:
ISSUED FOR PERMIT

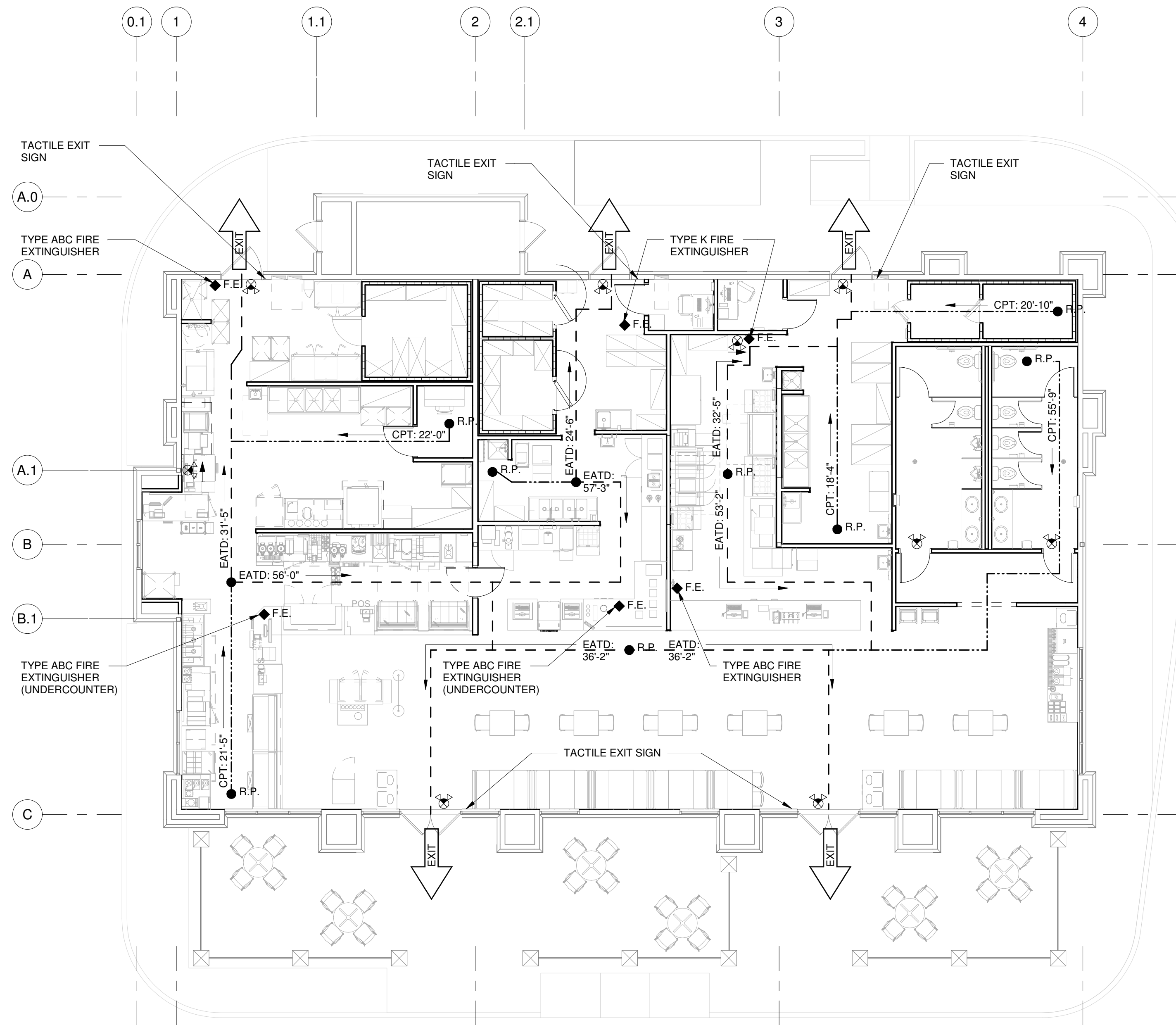
Revision Schedule

#	DATE	DESCRIPTION
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Project #: 19027
Issue Date: 08/21/2019

G0.31

SPECIFICATIONS



LIFE SAFETY PLAN GENERAL NOTES

1. SIGNAGE INDICATED REPRESENTS MINIMUM REQUIRED FOR CODE COMPLIANCE. REFER TO FLOOR PLANS FOR ADDITIONAL SIGNAGE PROVIDED AND INSTALLED BY THE CONTRACTOR.

LIFE SAFETY LEGEND

● R.P. REMOTE POINT

COMBO EXIT SIGN

----- CPT COMMON PATH OF TRAVEL DISTANCE

----- EATD EXIT ACCESS TRAVEL DISTANCE

EXIT

EXIT

◆ F.E. FIRE EXTINGUISHER.

APPROXIMATE LOCATION OF FIRE EXTINGUISHERS IS INDICATED BY "F.E." ON THE FLOOR PLAN, HOWEVER, G.C. IS RESPONSIBLE FOR COORDINATING FIRE EXTINGUISHERS WITH LOCAL FIRE INSPECTOR.

FIRE NOTES:

1. CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS PER LOCAL FIRE MARSHALL REQUIREMENTS. PROVIDE A MINIMUM OF ONE 2-A10BC NOT TO EXCEED 75 FEET TRAVEL DISTANCE FROM ANY POINT IN THE BUILDING.

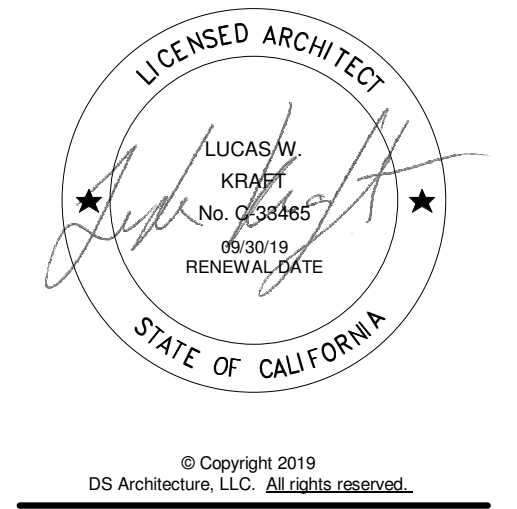
2. EVERY EXIT DOOR SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. SPECIAL LOCKING DEVICES SHALL BE AN APPROVED CONSTRUCTION.

3. EXIT LIGHTING AND SIGNS: MINIMUM 6" X 3/4" LETTERS ON CONTRASTING BACKGROUND.

4. ANY DECORATION USED SHALL BE NON-COMBUSTIBLE OR FLAMEPROOFED IN AN APPROVED MANNER.

5. THE INSTALLATION OR OPERATION OF SPECIAL FIRE EXTINGUISHER SYSTEM MUST BE CHECKED AND APPROVED BY THE FIRE DEPARTMENT PRIOR TO INSTALLATION.

6. BUILDING OCCUPANT SHALL SECURE PERMITS REQUIRED BY THE FIRE DEPARTMENT FROM THE FIRE PREVENTION BUREAU PRIOR TO OCCUPYING THIS BUILDING.



TravelCenters of America LLC

Tejon East Travel Plaza at Wheeler Ridge

5621 Outlets at Tejon Parkway
Wheeler Ridge, CA 93203

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Revision Schedule		
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LIFE SAFETY PLANS

