

US HWY 50 & CLUB MANOR DR 908 WEST US HIGHWAY 50 PUEBLO, CO 81008

ISSUED - 12-15-2017

SCOPE OF WORK

REFER TO RESPONSIBILITY MATRIX AND SIGNED LEASE

- TENANT IMPROVEMENT OF SHELL BUILDING SPACE
 NEW FIXTURES, FURNITURE, EQUIPMENT, AND GRAPHICS
 NEW INTERIOR PARTITIONS AND DOORS
- NEW INTERIOR PARTITIONS ANDNEW CEILINGS IN ALL AREAS
- NEW CEILINGS IN ALL AREASNEW FINISHES IN ALL AREAS
- NEW FINISHES IN ALL AREAS
 NEW LIGHTING IN ALL AREAS
- NEW RESTROOM(S) INCLUDING PLUMBING FIXTURES
- NEW DRINKING FOUNTAIN(S), KITCHENETTE, MOP SINK, AND WATER HEATER
 NEW MECHANICAL DISTRIBUTION
- NEW ELECTRICAL DISTRIBUTION

Firm's License #

State License #

corporate - relo

DESIGN DEVELOPMENT

GENERAL NOTES

- ALL WORK AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH ALL CODES HAVING JURISDICTION.
- ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE BUILDING MANAGEMENT'S RULES AND REGULATIONS.
 MODIFICATIONS TO THE BASE BUILDING STRUCTURE, CORE AREAS, AND UTILITY SYSTEMS ARE NOT IN THIS CONTRACT, EXCEPT AS NOTED ON THESE DRAWINGS OR AS REQUIRED
- TO COMPLETE THE WORK INDICATED ON THESE DRAWINGS.

 4. THE G.C. SHALL MAKE ALL ARRANGEMENTS AND PAY FOR ALL FEES AND PERMITS REQUIRED, AS WELL AS ANY ADDITIONAL CHARGES FOR HAULING, RIGGING, AND
- TRANSPORTATION CHARGES.

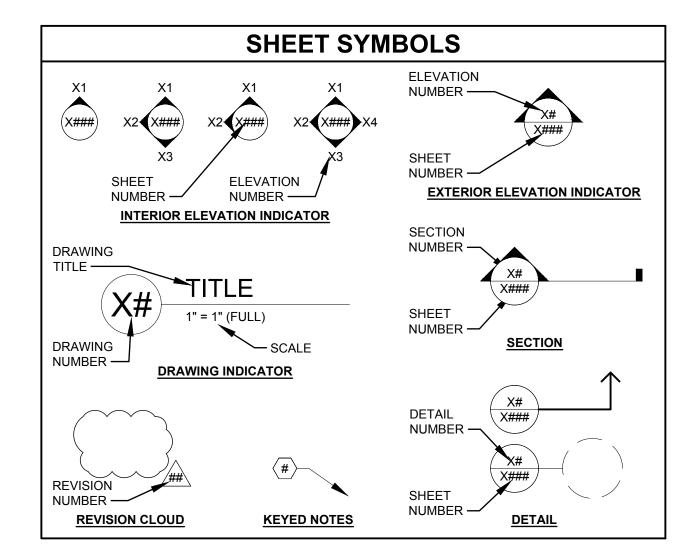
 5. THE CONTRACT DOCUMENTS CONSIST OF THE AGREEMENT BETWEEN T-MOBILE AND G.C. (HEREINAFTER REFERRED TO AS THE AGREEMENT) WITH CONDITIONS OF THE CONTRACT (GENERAL, SUPPLEMENTARY, AND OTHER CONDITIONS), DRAWINGS, SPECIFICATIONS, ADDENDA ISSUED PRIOR TO THE EXECUTION OF THE AGREEMENT, OTHER DOCUMENTS LISTED IN THE AGREEMENT, AND MODIFICATIONS ISSUED AFTER EXECUTION OF THE
- 6. THE INTENT OF THE CONTRACT DOCUMENTS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK BY THE CONTRACTORS. PERFORMANCE BY THE G.C. SHALL BE REQUIRED ONLY TO EXTENT CONSISTENT WITH THE CONTRACT DOCUMENTS AND REASONABLY INFERABLE FROM THEM AS BEING NECESSARY TO PRODUCE THE INTENDED RESULTS.
- 7. THE CONTRACT DOCUMENTS SHALL NOT BE CONSTRUED TO CREATE A CONTRACTUAL RELATIONSHIP OF ANY KIND (1) BETWEEN THE ARCHITECT AND G.C., (2) BETWEEN T-MOBILE AND A SUBCONTRACTOR OR SUB-SUBCONTRACTOR, OR (3) BETWEEN ANY PERSONS OR ENTITIES OTHER THAN T-MOBILE AND G.C.
- 8. EXECUTION OF THE CONTRACT BY G.C. IS A REPRESENTATION THAT THE G.C. HAS VISITED THE SITE AND HAS BECOME FAMILIAR WITH THE LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK AND SHALL NOTIFY ARCHITECT AND/OR ENGINEER IF A CONDITION EXISTS WHICH PREVENTS THE CONTRACTOR FROM ACCOMPLISHING THE
- INTENT OF THE DRAWINGS.

 9. THE TERM "WORK" MEANS THE CONSTRUCTION AND SERVICES REQUIRED BY THE CONTRACT DOCUMENTS, WHETHER COMPLETED OR PARTIALLY COMPLETED, INCLUDES ALL LABOR, MATERIALS, EQUIPMENT, AND SERVICES PROVIDED (OR TO BE PROVIDED) BY THE G.C. TO FULFILL THE G.C.'S OBLIGATIONS. THE WORK MAY CONSTITUTE THE WHOLE OR PART OF THE PROJECT
- OR PART OF THE PROJECT.

 10. G.C. SHALL NOT CUT OR DISTURB EXISTING STRUCTURAL SYSTEM. THE G.C. SHALL X-RAY/PACHOMETER SLAB TO DETERMINE IF POST TENSIONED SLAB OR IF DESIGN IS IN CONFLICT WITH EXISTING STRUCTURAL SYSTEMS WHEN THE FOLLOWING OCCURS:
- CONFLICT WITH EXISTING STRUCTURAL SYSTEMS WHEN THE FOLLOWING OCCURS: 10.1. TENANT SPACE IS LOCATED ON SECOND FLOOR OR ABOVE 10.2. LOWER LEVEL EXTENDS BELOW THE TENANT SPACE
- 10.3. ABSENCE OF STRUCTURAL DRAWINGS FROM ARCHITECTS AND/OR LANDLORD
 10.4. ABSENCE OF STRUCTURAL DRAWINGS INCLUDED WITH CONTRACT DOCUMENTS
 11. G.C. SHALL ONLY INCLUDE AN ALLOWANCE IN HIS BID FOR THE X-RAY/PACHOMETER WHEN
- ANY OR ALL OF THE ABOVE OCCUR, TYP.

 12. PROVIDE CONTROL KEY AND MASTER KEY AS REQUIRED BY CONTRACT. PERFORM ALL REQUIRED CLEANINGS AS PER CONTRACT INCLUDING, BUT NOT LIMITED TO, ALL STOPEEPONT WINDOWS MILL LONG CEILINGS SUPPLY/PETURN AIR CRILLS ELOOPING.
- STOREFRONT WINDOWS, MULLIONS, CEILINGS, SUPPLY/RETURN AIR GRILLS, FLOORING AND FLOOR WAX, TOILET ROOMS, TOILET ROOM CAULKING, AND WALK-OFF MAT. REMOVE ALL TRASH AND DEBRIS FROM THE SITE.
- 13. ALL REFERENCES HEREAFTER TO CONSTRUCTION PM OR ARCHITECT REFER TO THE CONTACT LISTED IN PROJECT TEAM.
- 14. PROVIDE OCCUPANCY SIGNS CONFORMING TO APPLICABLE BUILDING CODE REQUIREMENTS.
- 15. PROVIDE ADDITIONAL EXIT SIGNS AND FIRE EXTINGUISHERS IN TYPE, NUMBER, AND LOCATION AS DIRECTED BY THE FIRE DEPARTMENT FIELD INSPECTOR.

		ABBI	REVIATIONS		
ACP.	ACOUSTICAL CEILING	FIN.	FINISH	PNL.	PANEL
ADJ.	ADJACENT	FIXT.	FIXTURE	PROP.	PROPERTY
AL.,ALUM.	ALUMINUM	FLR.	FLOOR	P.T.	PRESSURE TREATED
ALT.	ALTERNATE	F.R.	FIRE RATED/RETARDANT	PWR.	POWER
A.P.	ACCESS PANEL	F.R.P.	FIBERGLASS REINFORCED		
APPX.	APPROXIMATE	1	POLYESTER PANEL	QTY.	QUANTITY
ARCH.	ARCHITECTURAL	F.R.T.	FIRE RETARDANT TREATED	_	B. B. U.O.
20	DOADD		CALICE	R.	RADIUS
BD.	BOARD	GA.	GAUGE	REQ.	REQUIRED
BLDG. BLK.	BUILDING	GALV.	GALVANIZED	R.O.	ROUGH OPENING
SLK. SLKG.	BLOCK BLOCKING	GND,GRND GYP.	GYPSUM	s.c.	SOLID CORE
BM.		GTP.	GTPSUM	SCHED.	SCHEDULE
BOT.	BEAM BOTTOM	I н.м.	HOLLOW METAL	SECT.	SECTION
501.	BOTTOW	HR.	HOUR	SQ.FT.	SQUARE FEET
CAB.	CABINET	HT.	HEIGHT	SU.FT.	SIMILAR
CEM.	CEMENT	H.V.A.C.	HEATING, VENTILATING, AIR	SPEC.	SPECIFICATION
CKT.	CIRCUIT	11.V.A.O.	CONDITIONING	SQ.	SQUARE
CLG.	CEILING		CONDITIONING	STD.	STANDARD
CLR.	CLEAR	J.H.A.	JURISDICTION HAVING AUTHORITY	STL.	STEEL
OMU.	CONCRETE MASONRY UNIT	0.11.74.		STRUCT.	STRUCTURAL
OL.	COLUMN	LAM.	LAMINATE	SYM.	SYMMETRICAL
ONC.	CONCRETE	LAV.	LAVATORY		- · · · · · · · · · · · · · · · · · · ·
ONST.	CONSTRUCTION	LL.	LANDLORD	TEL.	TELEPHONE
ONT.	CONTINUOUS	LT.	LIGHT	TELCO.	TELE-COMMUNICATIONS
PT.	CARPET	L.V.T.	LUXURY VINYL TILE	TMO.	T-MOBILE
CTR.	CENTER			TYP.	TYPICAL
		MAX.	MAXIMUM		
DET.	DETAIL	MECH.	MECHANICAL	U.O.N.	UNLESS OTHERWISE NOTED
DIA.	DIAMETER	MTL.	METAL		
DIFF.	DIFFUSER	MFR.	MANUFACTURER	VCT.	VINYL COMPOSITION
DIM.	DIMENSION	MIN.	MINIMUM		
DWG(S).	DRAWING, DRAWINGS	MIR.	MIRROR	W/	WITH
_		MISC.	MISCELLANEOUS	WD.	WOOD
EA	EACH	MTD.	MOUNTED	W/O	WITHOUT
E.I.F.S.	EXTERIOR INSULATION FINISH	MTG.	MOUNTING	WP.	WATERPROOF
	SYSTEM		NOT IN CONTRACT	W.R.	WATER RESISTANT
ELEC.	ELECTRIC, ELECTRICAL	N.I.C.	NOT IN CONTRACT	WT.	WEIGHT
M.	EMERGENCY	NOM. N.T.S.	NOMINAL NOT TO SCALE		
EQ. EQUIP.	EQUAL EQUIPMENT	IN. 1. O.	NOT TO SCALE		
EWC.	ELECTRIC WATER COOLER	o.c.	ON CENTER		
EVVC. EXH.	EXHAUST	0.C. 0.D.	OUTSIDE DIAMETER		
EXIST.	EXISTING	OPP.	OPPOSITE		
EXTIR.	EXTINGUISHER	511.	OLLOGIE		
	LX I II 400 IOI ILIX	PLYWD.	PLYWOOD		
		1		l	



RESPONSIBILITY SCH		
GENERAL CONTRACTOR OF THE PROPERTY OF THE PROP	FURNISHED BY	INSTALLED BY
OBTAIN ALL APPLICABLE PERMITS AND CERTIFICATE OF OCCUPANCY	LANDLORD	LANDLORD
UTILITY FEES (IF NEW CONSTRUCTION) UTILITY SERVICE(S) AND METER(S)	LANDLORD	LANDLORD
ALL HAZARDOUS MATERIALS REPORTS (IF REQUIRED)	LANDLORD	LANDLORD
CORE, SHELL, AND SITE WORK		
EXTERIOR SIGNAGE BLOCKING	LANDLORD	LANDLORD
DEMOLITION – SITE/BUILDING ROOF (REPAIR)	LANDLORD	LANDLORD
STRUCTURE	LANDLORD	LANDLORD
EXTERIOR WALLS/REPAIRS	LANDLORD	LANDLORD
EXIT DOOR (AS REQ'D)	LANDLORD	LANDLORD
TRIDENT EXIT DOOR LOCK TELEPHONE SERVICE TO BUILDING	LANDLORD	LANDLORD
PLUMBING MAIN SERVICE	LANDLORD	LANDLORD
SPRINKLER MAINS	LANDLORD	LANDLORD
FIRE ALARM PANEL CONCRETE SLAB	LANDLORD	LANDLORD
STOREFRONT SYSTEM AND GLAZING	LANDLORD	LANDLORD
WINDOW FILM	LANDLORD	LANDLORD
DEMISING WALL STUDS	LANDLORD	LANDLORD
DEMISING WALL / GYP DEMISING WALL / GYP	LANDLORD	LANDLORD
SITE ACCESSIBILITY	LANDLORD	LANDLORD
SIDEWALK	LANDLORD	LANDLORD
PARKING LOT PAVING AND STRIPING	LANDLORD	LANDLORD
INTERIOR MALLS BARRICADES	LANDLORD	LANDLORD
BARRICADE GRAPHICS	TM DIRECT	TM DIRECT
MALL FLOORING	LANDLORD	LANDLORD
NEUTRAL PIERS	LANDLORD	LANDLORD
REVEALS MALL STOREFRONT SYSTEMS	LANDLORD	LANDLORD
INTERIOR TENANT BUILD-OUT	- ANADEONU	- "ADEOND
DEMOLITION - INTERIOR	LANDLORD	LANDLORD
SALES AREA TO BOH PARTITION AND DOOR/HDW	LANDLORD	LANDLORD
TRILOGY LOCK ON BOH PARTITION INVENTORY ROOM PARTITION AND DOOR/HDW	LANDLORD	LANDLORD
POLICE LOCK AND LEVER SET ON INVENTORY ROOM DOOR	LANDLORD	LANDLORD
TRAINING ROOM, OFFICE, CONFERENCE ROOM	TM GC	TM GC
ALL ADDITIONAL PARTITIONS	LANDLORD	LANDLORD
MISC. WOOD BLOCKING, FURRING, ETC. GYPSUM BOARD CURTAINS WALL(S), CEILING(S), SOFFIT(S), ACCESS PANELS	LANDLORD	LANDLORD
ACOUSTICAL CEILING TILE AND GRID	LANDLORD	LANDLORD
ELECTRICAL TRANSFORMERS (IF REQUIRED)	LANDLORD	LANDLORD
ELECTRICAL SYSTEM - MAIN PANEL	LANDLORD	LANDLORD
ELECTRICAL SYSTEM - SUB PANEL(S)	LANDLORD	LANDLORD
LIGHTING SYSTEM - SALES AREA LIGHTING SYSTEM - BACK OF HOUSE	TM DIRECT LANDLORD	LANDLORD
ELECTRICAL WIRING. OUTLETS	LANDLORD	LANDLORD
LIGHTING INVERTER, LCP, TVSS, SWITCHES, SENSORS, DIMMERS	LANDLORD	LANDLORD
ENERGY MANAGEMENT SYSTEM AND SENSORS (IF REQUIRED)	LANDLORD	LANDLORD
LOW VOLTAGE CONDUIT LOW VOLTAGE WIRING	TM DIRECT	LANDLORD TM DIRECT
TELCO BACKER BOARD	LANDLORD	LANDLORD
SECURITY SHUTTER	LANDLORD	LANDLORD
SECURITY SHUTTER BLOCKING	LANDLORD	LANDLORD
HVAC SYSTEM - DISTRIBUTION	LANDLORD	LANDLORD
HVAC SYSTEM - UNIT/T-STAT ALL ELECTRICAL (WIRING AND OUTLETS)	LANDLORD	LANDLORD
FIRE ALARM DEVICES/CONNECTION TO PANEL	LANDLORD	LANDLORD
PLUMBING (BRANCH LINES NEW AND\OR MODIFICATIONS)	LANDLORD	LANDLORD
SPRINKLER BRANCH LINES AND HEADS	LANDLORD	LANDLORD
HOT WATER HEATER FLOOR PREPARATION	LANDLORD	LANDLORD
FLOOR PREPARATION FLOORING/TRANSITIONS/WALK OFF MATS, SALES FLOOR	LANDLORD	LANDLORD
FLOORING/TRANSITIONS, BACK OF HOUSE	LANDLORD	LANDLORD
PAINTING FIRE EXTINGUISHER(S)	LANDLORD	LANDLORD
FIRE EXTINGUISHER(S) INTERIOR SIGNAGE, (AS REQ'D PER CODE)	LANDLORD	LANDLORD
BACK OF HOUSE ITEMS	LANDLOKU	LANDLUKU
KITCHENETTE CASEWORK & WALL SHELVING	LANDLORD	LANDLORD
KITCHENETTE SINK AND FAUCET	LANDLORD	LANDLORD
MOP/UTILITY SINK SHELVING: INVENTORY ROOM WIRE SHELVES, WALL MOUNTED ABOVE DESK	LANDLORD TM GC	LANDLORD TM GC
PEG BOARD	TM GC	TM GC
INSTA-KEY LOCK CORES, KEYS	TM GC	TM GC
TOILET ROOM-DRINKING FOUNTAINS		
TOILETS, URINALS, LAVATORIES	LANDLORD	LANDLORD
HIGH LOW DRINKING FOUNTAINS PARTITIONS	LANDLORD	LANDLORD
FINISHES: SHEET VINYL WITH INTEGRATED BASE, FRP, PAINT	LANDLORD	LANDLORD
AUTOMATIC HAND DRYER	LANDLORD	LANDLORD
COAT HOOK/GRAB BARS/MIRROR/TP & SEAT COVER DISPENSERS/LOCKING CABINET	LANDLORD	LANDLORD
WASTE RECEPTACLE (STAPLES)	TM DIRECT	TM GC
OWNER SUPPLIED SIGNAGE: BUILDING, MOUNUMENT, PYLON, WINDOW GRAPHICS, ETC.	TM DIDECT	TM DIDECT
LOSS PREVENTION SYSTEM (BURGLAR)	TM DIRECT TM DIRECT	TM DIRECT TM DIRECT
SHOPPER TRAK & MUSIC SYSTEM	TM DIRECT	TM DIRECT
FIXTURES AND MERCHANDISING HARDWARE	TM DIRECT	TM DIRECT
HAND SET SECURITY-IN-VUE	TM DIRECT	TM DIRECT
STAPLES: DESK, CHAIRS, TABLES, FILE CABS, WHITE BOARD, APPLIANCES LOW VOLTAGE WIRING	TM DIRECT	TM GC TM DIRECT
NETWORK & COMPUTER INSTALLATION	TM DIRECT TM DIRECT	TM DIRECT
MGR OFFICE/TRAINING ROOM FURNITURE & EQUIPMENT	TM DIRECT	TM DIRECT

	COD	E ANA	LYSIS	
PROJECT DESCR	PTION			
TENANT IMPROVEMENT				
MOBILE PHONE & SERV	ICE SALES (RETAIL)			
PROJECT LOCATI	ON			
US HIGHWAY 50 & CLUE	MANOR DRIVE			
908 WEST US HIGHWAY	50			
PUEBLO, CO 81008				
. • • • • • • • • • • • • • • • • • • •				
GOVERNING COD	ES			
ALL WORK SHALL BE IN JURISDICTION AS WELL			NITED TO, ANY STATE AND DLLOWING:	LOCAL CODES HAVIN
BUILDING	2015	INTERNATI	ONAL BUILDING CODE	
MECHANICAL	2015		ONAL MECHANICAL CODE	
PLUMBING ELECTRICAL	2015		ONAL PLUMBING CODE ELECTRIC CODE	
ENERGY	2015		ONAL ENERGY CONSERVA	ATIONS CODE
ACCESSIBILITY	2009	ICC/ANSI A	117.1	
	2010	ADA STANI		
	2015	INTERNATI	ONAL FUEL GAS CODE	
	•			
PROJECT INFORM	IATION			
CONSTRUCTION TYPE FULLY SPRINKLERED		II-B NO		
OCCUPANCY		M - MERCA	NTILE	
GROSS LEASED PREMIS	SES			2557 SQ. FT
OCCUPANT LOAD	.			
ROOM NAME	SQ. FT.		LOAD FACTOR	OCCUPANT
DUDUIC ADEA	1447	÷	60	LOAD 25
PUBLIC AREA BACK OF HOUSE	1110	÷	300	4
OFFICE	0	÷	100	0
TRAINING ROOM	0	÷	100	0
ACCESSORY	0			0
,L				
	CUPANTS			29
TOTAL NUMBER OF OC	CUPANTS			29
TOTAL NUMBER OF OC	NTS			· · · · · · · · · · · · · · · · · · ·
TOTAL NUMBER OF OCCE EXIT REQUIREME TWO EXITS REQUIRED	NTS	D IS GREATER	R THAN 49 OR COMMON PA	· · · · · · · · · · · · · · · · · · ·
TOTAL NUMBER OF OCCE EXIT REQUIREME TWO EXITS REQUIRED	NTS	D IS GREATER		ATH OF TRAVEL
TOTAL NUMBER OF OCC EXIT REQUIREME TWO EXITS REQUIRED OF EXCEEDS 75FT	NTS WHEN OCCUPANT LOAI	D IS GREATER	R THAN 49 OR COMMON PAREQUIRED	· · · · · · · · · · · · · · · · · · ·
TOTAL NUMBER OF OCC EXIT REQUIREME TWO EXITS REQUIRED OF EXCEEDS 75FT	NTS WHEN OCCUPANT LOAI	D IS GREATER	REQUIRED	ATH OF TRAVEL PROVIDED
EXIT REQUIREME TWO EXITS REQUIRED EXCEEDS 75FT TOTAL NUMBER OF EXI	NTS WHEN OCCUPANT LOAD TS ANCE:		REQUIRED 2 SEE SHEET G101	ATH OF TRAVEL PROVIDED
EXIT REQUIREME TWO EXITS REQUIRED EXCEEDS 75FT TOTAL NUMBER OF EXI	NTS WHEN OCCUPANT LOAD TS ANCE:		REQUIRED 2 SEE SHEET G101	PROVIDED 2
EXIT REQUIREME TWO EXITS REQUIRED TEXCEEDS 75FT TOTAL NUMBER OF EXITED TOTAL NUMBER OF EXITED TOTAL DISTED TO THE EXITED TO THE	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN	I ON SHEET G	REQUIRED 2 SEE SHEET G101	PROVIDED 2
EXIT REQUIREME TWO EXITS REQUIRED TEXT EXCEEDS 75FT MAXIMUM TRAVEL DIST FOR EXIT PATH OF TRA	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN RE REQUIREMENT	I ON SHEET G	REQUIRED 2 SEE SHEET G101	PROVIDED 2
EXIT REQUIREME TWO EXITS REQUIRED TEXCEEDS 75FT TOTAL NUMBER OF EXITED TOTAL NUMBER OF EXITED TOTAL DISTED TO THE EXITED TO THE	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN RE REQUIREMENT	I ON SHEET G	REQUIRED 2 SEE SHEET G101 3101 N.A.	PROVIDED 2 200'
EXIT REQUIREME TWO EXITS REQUIRED SEXCEEDS 75FT TOTAL NUMBER OF EXITED SEXCEEDS 75FT MAXIMUM TRAVEL DISTRACT PATH OF TRACE TO PUBLIC TO FIXTURE	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR	I ON SHEET G	REQUIRED 2 SEE SHEET G101 101 N.A.	PROVIDED 2 200' PROVIDED PROVIDED
EXIT REQUIREME TWO EXITS REQUIRED SEXCEEDS 75FT TOTAL NUMBER OF EXITED SEXCEEDS 75FT TOTAL NUMBER OF EXITED SEXEMAXIMUM TRAVEL DISTED FOR EXIT PATH OF TRAVEL DISTED SEXEMAXIMUM FIXTURE FIXTURE	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN RE REQUIREMENT OILET ROOMS:	I ON SHEET G	REQUIRED 2 SEE SHEET G101 3101 N.A.	PROVIDED 2 200'
EXIT REQUIREME TWO EXITS REQUIRED TEXCEEDS 75FT TOTAL NUMBER OF EXITED TOTAL NUMBER OF EXITED TOTAL PATH OF TRAINED TO PUBLIC TOTAL TOTAL TO PUBLIC TOTAL TOTAL TOTAL TOTAL TO PUBLIC TOTAL TOT	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500	I ON SHEET G	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1	PROVIDED 2 200' PROVIDED 7 PROVIDED 1
EXIT REQUIREME TWO EXITS REQUIRED SECRET SEPARATE FACILITIES	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500	I ON SHEET G	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1	PROVIDED 2 200' PROVIDED 1 1
EXIT REQUIREME TWO EXITS REQUIRED TEXCEEDS 75FT TOTAL NUMBER OF EXITED TOTAL NUMBER OF EXITED TOTAL NUMBER OF EXITED TOTAL PATH OF TRADE TO PUBLIC TOTAL TOTAL PATH OF TRADE TO PUBLIC TOTAL TOTAL TOTAL TOTAL NUMBER OF EXITED TOTA	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 - 1000 -	I ON SHEET G	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 NO 1 1	PROVIDED 2 500 PROVIDED 1 1 NO 1 1
EXIT REQUIREME TWO EXITS REQUIRED EXCEEDS 75FT TOTAL NUMBER OF EXITED TOTAL NUMBER OF EXITED TOTAL NUMBER OF TRAINED TO PUBLIC TOTAL TOTAL TO PUBLIC TOTAL	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 - 1000 - SHALL NOT BE REQUIRE	I ON SHEET G	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 NO 1	PROVIDED 2 500 PROVIDED 1 1 NO 1 1
EXIT REQUIREME TWO EXITS REQUIRED TOTAL NUMBER OF EXITED TOTAL NUMBE	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 - 1000 - SHALL NOT BE REQUIRE OR LESS	I ON SHEET G	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 NO 1 1	PROVIDED 2 500 PROVIDED 1 1 NO 1 1
EXIT REQUIREME TWO EXITS REQUIRED TEXCEEDS 75FT TOTAL NUMBER OF EXITED TOTAL NUMBER OF EXI	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 - 1000 - SHALL NOT BE REQUIRE OR LESS	MEN WOMEN TO IN MERCA	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 NO 1 NO 1 NTILE OCCUPANCIES IN W	PROVIDED 2 500 PROVIDED 1 1 NO 1 1
EXIT REQUIREME TWO EXITS REQUIRED TEXCEEDS 75FT TOTAL NUMBER OF EXITED TOTAL NUMBER OF EXI	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 - 1000 - SHALL NOT BE REQUIRE OR LESS	MEN WOMEN TO IN MERCA	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 NO 1 1	PROVIDED 2 500 PROVIDED 1 1 NO 1 1
EXIT REQUIREME TWO EXITS REQUIRED TO EXCEEDS 75FT TOTAL NUMBER OF EXIT MAXIMUM TRAVEL DIST FOR EXIT PATH OF TRATE FOR EXIT PATH OF TRATE FOR EXIT PATH OF TRATE FIXTURE WATER CLOSET SEPARATE FACILITIES OR EXIT PATH OF TRATE FACILITIES OR EXIT PATH OF TRATE FACILITIES OR EXIT PATH OF TRATE FACILITIES OR EXIT ILLUMINATICE EMERGENCY EXIT	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 - 1000 - SHALL NOT BE REQUIRE OR LESS DN MINATION SHALL BE PR	MEN WOMEN TO IN MERCA	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 NO 1 NO 1 NTILE OCCUPANCIES IN W	PROVIDED 2 500 PROVIDED 1 1 NO 1 1
EXIT REQUIREME TWO EXITS REQUIRED TOTAL NUMBER OF EXITED TOTAL NUMBE	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 - 1000 - SHALL NOT BE REQUIRE OR LESS DN MINATION SHALL BE PR	MEN WOMEN TO IN MERCA	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 NO 1 NO 1 NTILE OCCUPANCIES IN W	PROVIDED 2 500 PROVIDED 1 1 NO 1 1
EXIT REQUIREME TWO EXITS REQUIRED EXCEEDS 75FT TOTAL NUMBER OF EXIT MAXIMUM TRAVEL DIST FOR EXIT PATH OF TRA PLUMBING FIXTUI DISTANCE TO PUBLIC TOTAL	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 - 1000 - 1000 - SHALL NOT BE REQUIRE OR LESS ON MINATION SHALL BE PR	MEN WOMEN TO IN MERCA	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 NO 1 NO 1 NTILE OCCUPANCIES IN W	PROVIDED 2 500 PROVIDED 1 1 NO 1 1
EXIT REQUIREME TWO EXITS REQUIRED EXCEEDS 75FT TOTAL NUMBER OF EXIT MAXIMUM TRAVEL DIST FOR EXIT PATH OF TRATED IN	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 - 1000 - 1000 - SHALL NOT BE REQUIRE OR LESS ON MINATION SHALL BE PR	MEN WOMEN TO IN MERCA	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 NO 1 NO 1 NTILE OCCUPANCIES IN W	PROVIDED 2 500 PROVIDED 1 1 NO 1 1
EXIT REQUIREME TWO EXITS REQUIRED EXCEEDS 75FT TOTAL NUMBER OF EXIT MAXIMUM TRAVEL DIST FOR EXIT PATH OF TRATE OF EXIT ILLUMINATION OF EXIT ILLUMINATION OF EXIT ILLUMINATION OF EXIT PATH OF PUEBLO OF EGIONAL BUILDING DE EXIT MAIN STREE	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 - 1000 - 1000 - SHALL NOT BE REQUIRE OR LESS ON MINATION SHALL BE PR	MEN WOMEN TO IN MERCA	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 NO 1 NO 1 NTILE OCCUPANCIES IN W	PROVIDED 2 500 PROVIDED 1 1 NO 1 1
EXIT REQUIREME TWO EXITS REQUIRED EXCEEDS 75FT TOTAL NUMBER OF EXIT MAXIMUM TRAVEL DIST FOR EXIT PATH OF TRAVEL DISTANCE TO PUBLIC TOTAL REVIEW TO SEPARATE FACILITIES DRINKING FOUNTAIN SERVICE SINK SEPARATE FACILITIES SOCCUPANT LOAD IS 50 EXIT ILLUMINATION EMERGENCY EXIT EMERGEN	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 - 1000 - 1000 - SHALL NOT BE REQUIRE OR LESS ON MINATION SHALL BE PR	MEN WOMEN TO IN MERCA	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 NO 1 NO 1 NTILE OCCUPANCIES IN W	PROVIDED 2 500 PROVIDED 1 1 NO 1 1
EXIT REQUIREME TWO EXITS REQUIRED TEXCEEDS 75FT TOTAL NUMBER OF EXIT MAXIMUM TRAVEL DISTERMATE FOR EXIT PATH OF TRATEMENT	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 - 1000 - 1000 - SHALL NOT BE REQUIRE OR LESS ON MINATION SHALL BE PR	MEN WOMEN TO IN MERCA	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 NO 1 NO 1 NTILE OCCUPANCIES IN W	PROVIDED 2 500 PROVIDED 1 1 NO 1 1
EXIT REQUIREME TWO EXITS REQUIRED EXCEEDS 75FT TOTAL NUMBER OF EXI MAXIMUM TRAVEL DIST FOR EXIT PATH OF TRA PLUMBING FIXTUI DISTANCE TO PUBLIC T FIXTURE WATER CLOSET SEPARATE FACILITIES DRINKING FOUNTAIN SERVICE SINK SEPARATE FACILITIES OCCUPANT LOAD IS 50 EXIT ILLUMINATION EMERGENCY EXIT ILLU	MHEN OCCUPANT LOAD TIS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 - 1000 - SHALL NOT BE REQUIRE OR LESS ON MINATION SHALL BE PR	MEN WOMEN OVIDED AS S	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 1 NO 1 1 NO HOWN ON SHEET E111.	PROVIDED 2 500 PROVIDED 1 1 NO 1 1
EXIT REQUIREME TWO EXITS REQUIRED EXCEEDS 75FT TOTAL NUMBER OF EXITED TOTAL NUMBER OF EXITED EXCEEDS 75FT TOTAL NUMBER OF EXITED EXIT	NTS WHEN OCCUPANT LOAD TIS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 - 1000 - SHALL NOT BE REQUIRE OR LESS ON MINATION SHALL BE PR EVALUATION SHAL	MEN WOMEN OVIDED AS S	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 1 NO 1 1 NO HOWN ON SHEET E111.	PROVIDED 2 500 PROVIDED 1 1 NO 1 1
EXIT REQUIREME TWO EXITS REQUIRED EXCEEDS 75FT TOTAL NUMBER OF EXI MAXIMUM TRAVEL DIST FOR EXIT PATH OF TRA PLUMBING FIXTUI DISTANCE TO PUBLIC T FIXTURE WATER CLOSET SEPARATE FACILITIES DRINKING FOUNTAIN SERVICE SINK SEPARATE FACILITIES OCCUPANT LOAD IS 50 EXIT ILLUMINATION EMERGENCY EXIT ILLU	NTS WHEN OCCUPANT LOAD TIS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 - 1000 - SHALL NOT BE REQUIRE OR LESS ON MINATION SHALL BE PR EVALUATION SHAL	MEN WOMEN OVIDED AS S	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 1 NO 1 1 NO HOWN ON SHEET E111.	PROVIDED 2 500 PROVIDED 1 1 NO 1 1
EXIT REQUIREME TWO EXITS REQUIRED EXCEEDS 75FT TOTAL NUMBER OF EXITED EX	NTS WHEN OCCUPANT LOAD TIS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 1000 - 1000 - SHALL NOT BE REQUIRE OR LESS ON MINATION SHALL BE PR EPARTMENT ET S UNDER SEPARA INGS ERED, G.C. IS TO PROV	MEN WOMEN OVIDED AS S ATE PERM	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 1 NO 1 1 NO HOWN ON SHEET E111.	PROVIDED 2 500 PROVIDED 1 1 NO 1 1 HICH THE MAXIMUM
EXIT REQUIREME TWO EXITS REQUIRED EXCEEDS 75FT TOTAL NUMBER OF EXIT MAXIMUM TRAVEL DIST FOR EXIT PATH OF TRA PLUMBING FIXTUI DISTANCE TO PUBLIC TOTAL TOTA	NTS WHEN OCCUPANT LOAD TS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 1000 - BHALL NOT BE REQUIRE OR LESS ON MINATION SHALL BE PR EPARTMENT ET S UNDER SEPARA INGS ERED, G.C. IS TO PROVAND OBTAIN PERMIT.	MEN WOMEN OVIDED AS S ATE PERM	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 1 NO 1 1 NTILE OCCUPANCIES IN W HOWN ON SHEET E111.	PROVIDED 2 500 PROVIDED 1 1 1 NO 1 1 HICH THE MAXIMUM
EXIT REQUIREME TWO EXITS REQUIRED EXCEEDS 75FT TOTAL NUMBER OF EXIT MAXIMUM TRAVEL DIST FOR EXIT PATH OF TRA PLUMBING FIXTUE DISTANCE TO PUBLIC TOTAL SEPARATE FACILITIES DRINKING FOUNTAIN SERVICE SINK SEPARATE FACILITIES DOCCUPANT LOAD IS 50 EXIT ILLUMINATION EMERGENCY EXIT ILLUMINATION EMERCENCY EXIT ILLU	NTS WHEN OCCUPANT LOAD TIS ANCE: VEL SEE EGRESS PLAN OILET ROOMS: LOAD FACTOR 500 500 500 1000 1000 1 CHALL NOT BE REQUIRE OR LESS ON MINATION SHALL BE PR EPARTMENT ET S UNDER SEPARA INGS ERED, G.C. IS TO PROVAND OBTAIN PERMIT. SPRINKLER HEADS, FIN	MEN WOMEN OVIDED AS S OVIDED AS S	REQUIRED 2 SEE SHEET G101 N.A. REQUIRED 1 1 1 NO 1 NO 1 HOWN ON SHEET E111.	PROVIDED 2 500 PROVIDED 1 1 NO 1 1 HICH THE MAXIMUM NGS BY A CERTIFIED DE PENDANT TYPE FO

	DRAWING INDEX
0000	ARCHITECTURAL
G000	COVER
G001	ARCHITECTURAL DATA SHEET
G101	KEY PLAN, VICINITY MAP, AND EGRESS PLAN
A111	CONSTRUCTION FLOOR PLAN
A121	FINISH FLOOR PLAN
A131	REFLECTED CEILING PLAN
A141	FIXTURE FLOOR PLAN
A201	SALES FLOOR INTERIOR ELEVATIONS
A202	BACK OF HOUSE INTERIOR ELEVATIONS
A501	ACCESSIBILITY DETAILS
A502	ACCESSIBILITY SIGNAGE DETAILS
A511	ENLARGED TOILET ROOM
A521	KITCHENETTE, MOP SINK AND MANAGERS DESK
A531	PARTITION DETAILS
A541	DOOR DETAILS
A551	CEILING DETAILS
A571	FLOORING AND BASE DETAILS
A601	FIXTURE, FURNITURE, EQUIPMENT AND GRAPHIC SCHEDULES
A611	FINISH SCHEDULE
A621	DOOR SCHEDULE
A700 - 706	SPECIFICATIONS
	MECHANICAL
M101	MECHANICAL FLOOR PLAN
M102	MECHANICAL SCHEDULES
M501	MECHANICAL DETAILS
	ELECTRICAL
E101	POWER FLOOR PLAN
E111	LIGHTING FLOOR PLAN
E112	LUMINAIRE SCHEDULE
E113	LIGHTING CONTROLS
E301	ELECTRICAL PANELS
E302	TELEPHONE BOARD ELEVATION
E501	FIXTURE FEED WIRING DETAILS
E502	FIXTURE FEED WIRING DETAILS
E503	FIXTURE FEED WIRING DETAILS
E504	FIXTURE FEED WIRING DETAILS FIXTURE FEED WIRING DETAILS
E504 E511	FIXTURE FEED WIRING DETAILS FIXTURE FEED WIRING DETAILS
E601	ENERGY CALCULATIONS
E701	ELECTRICAL SPECIFICATIONS
LIUI	PLUMBING
P101	PLUMBING FLOOR PLAN
P501	PLUMBING FLOOR PLAN PLUMBING DETAILS
F301	I LUIVIDING DETAILS

PROJECT TEAM

CLIENT
T-Mobile
12920 SE 38TH 5

12920 SE 38TH STREET BELLEVUE, WA 98006 WWW.T-MOBILE.COM

LANDLORD

908 HWY 50 HOLDINGS, LLC
CONTACT: GREG LYON
PHONE: 561-624-4089

EMAIL: glyon@indexrealestate.com

CONSTRUCTION

JONES LANG LASALLE
CONTACT: TICE HAMBLET
PHONE: 425-268-1833
EMAIL: tice.hamblet1@t-mobile.com

ARCHITECTURE
ARCHITECT
CONTACT:-----PHONE:----EMAIL:-----ENGINEERING

DATE: 12/19/2017
SCALE:
DRAWN BY:

MDC CORPORATE - RELO

DESIGN DEVELOPMENT

81008

US HWY 908 W US RCHITEC

TMO364

G00

PROJECT No .:

T··Mobile

BELLEVUE, WA 98006 www.t-mobile.com

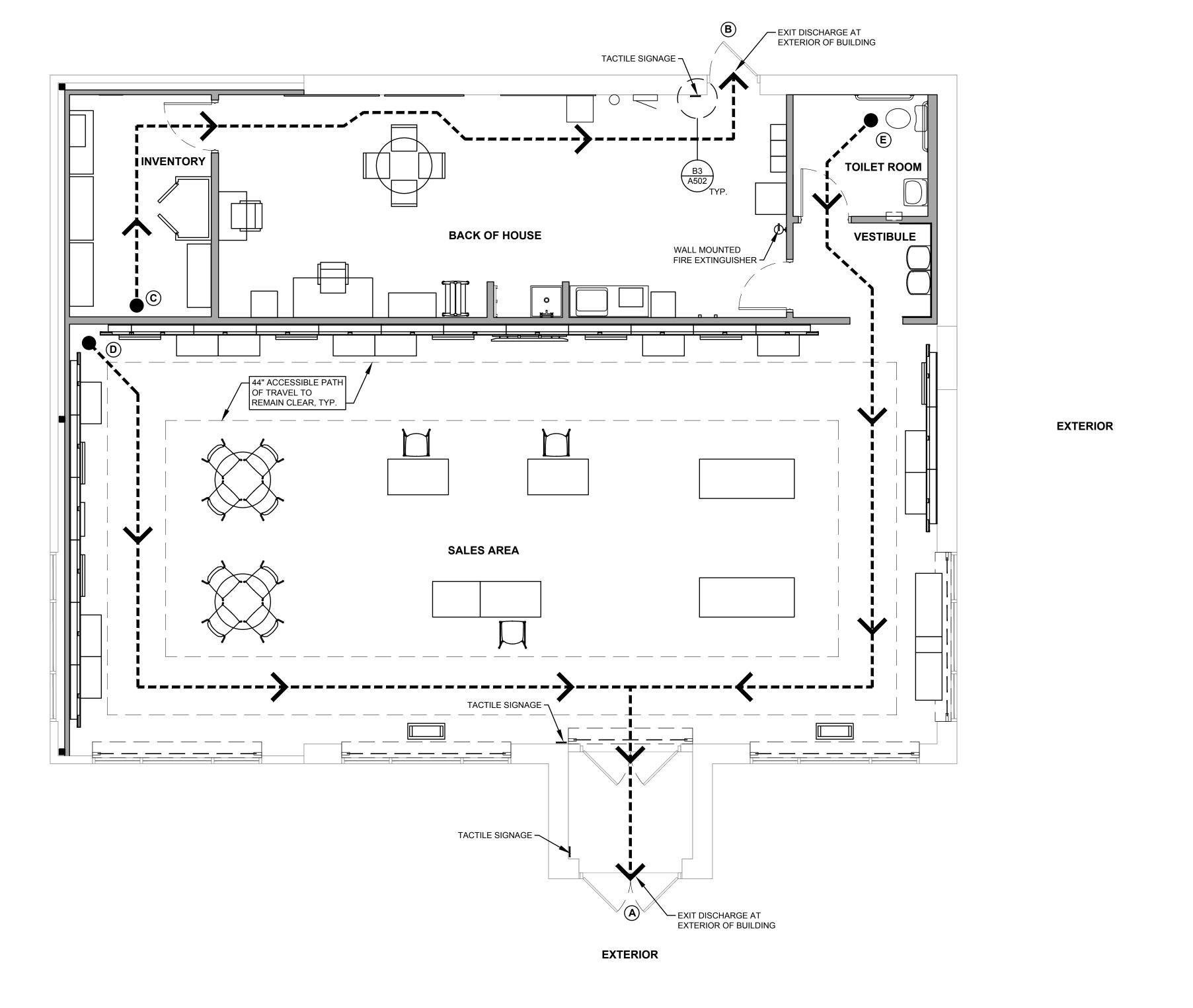
Firm's License #

State License #

DESCRIPTION

BUILDING DEPARTMENT

EXTERIOR



T-MOBILE LOCATION **VICINITY MAP**

PEMBROKE PINES, FLORIDA

EXTERIOR

SALES AREA OCCUPANT LOAD = 25 (<50 REQUIRES 1 EXIT)

BACK OF HOUSE AREAS = 4

TOTAL OCCUPANT LOAD = 29 (<50 REQUIRES 1 EXIT)

TWO EXITS PROVIDED

TRAVEL DISTANCE POINT D TO POINT A = 67'-0" (<200'-0" REQUIRED) TRAVEL DISTANCE POINT E TO POINT A = 65'-0" (<200'-0" REQUIRED) TRAVEL DISTANCE POINT B TO POINT C = 54'-0" (<200'-0" REQUIRED)

EGRESS PLAN

GENERAL NOTES

- SEE SHEET A502 FOR ACCESSIBILITY SIGNAGE.
 ACCESSIBILITY ROUTE OF TRAVEL SLOPES NOT TO EXCEED RUNNING SLOPE OF 1:20 (5%) MAXIMUM CROSS SLOPE OF 1:50 (2%).
 SITE ACCESSIBILITY PROVIDED BY LANDLORD.
 PROVIDE WALL MOUNTED FIRE EXTINGUISHER(S) AND IN LOCATIONS PER FIRE MARSHAL'S
- INSTRUCTIONS.

corporate - relo

81008

KEY PLAN, VICINITY AND EGRESS PLAN

US HWY 50 & CLUB MANOR 908 W US HWY 50

12920 SE 38th STREET BELLEVUE, WA 98006

Firm's License #

State License #

DESCRIPTION

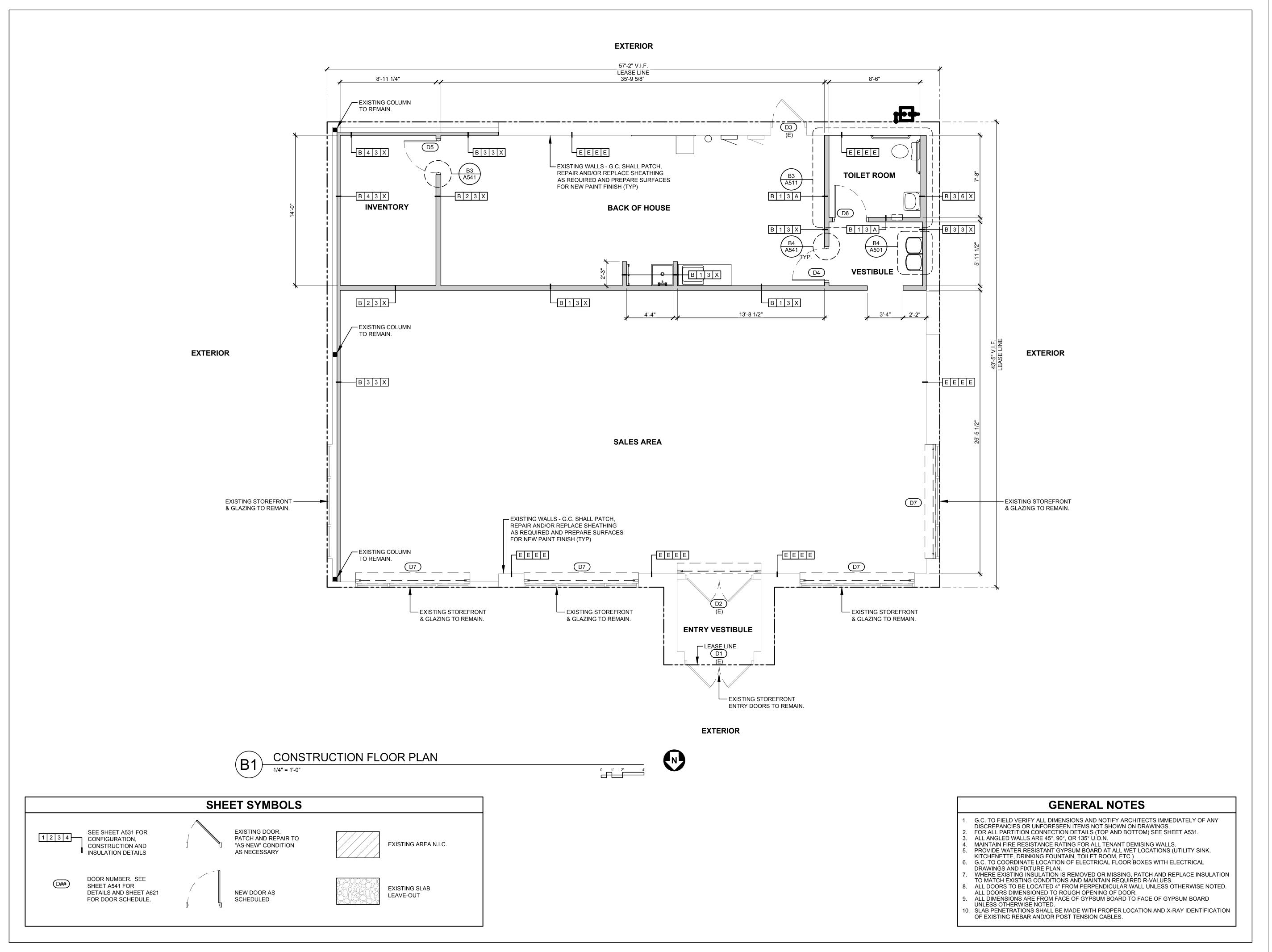
BUILDING DEPARTMENT

www.t-mobile.com

DESIGN DEVELOPMENT

DATE: 12/19/2017 SCALE: DRAWN BY: PROJECT No.: TMO364 SHEET:

G101



T·Mobile

12920 SE 38th STREET BELLEVUE, WA 98006 www.t-mobile.com

Firm's License #

State License #

DESCRIPTION DATE

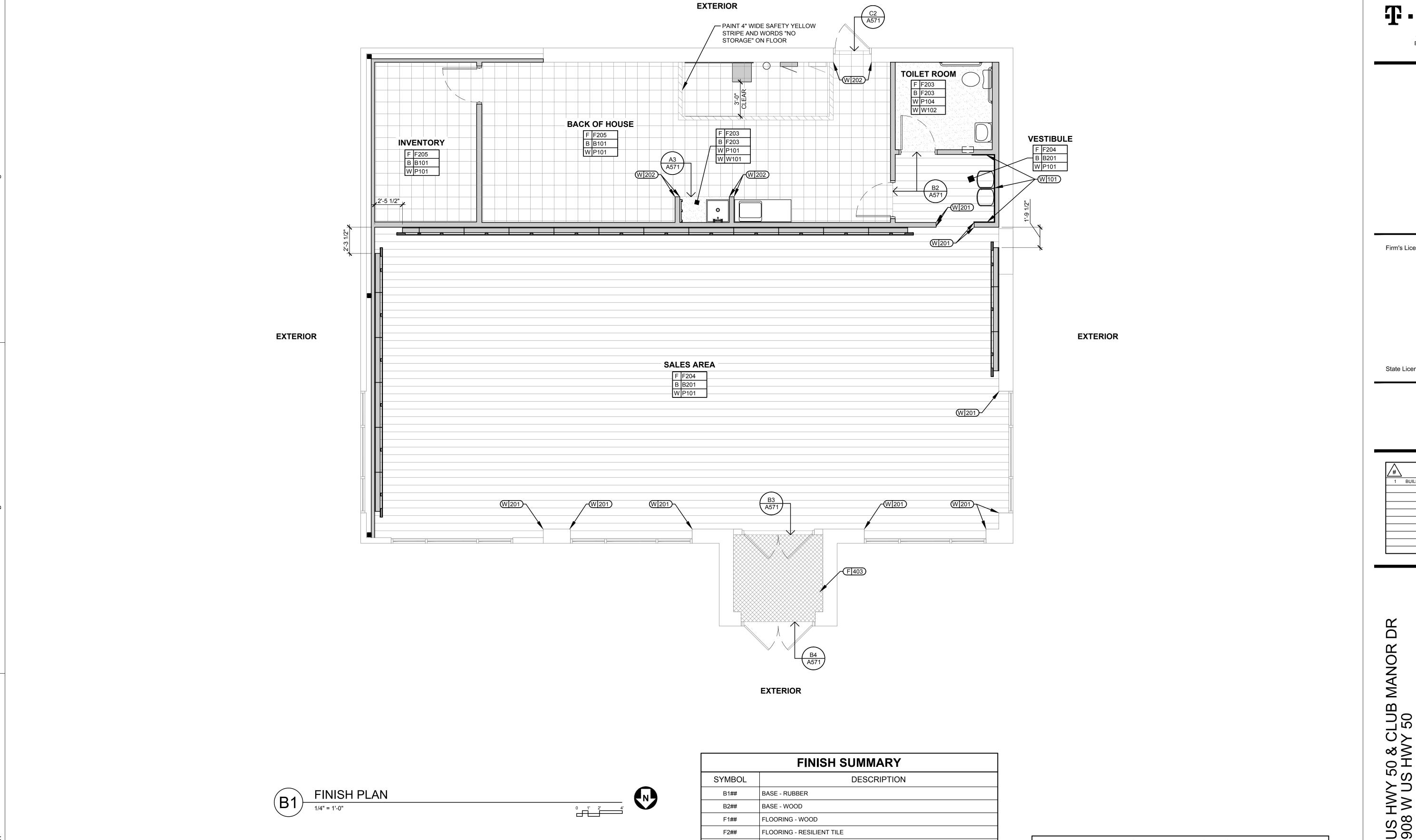
1 BUILDING DEPARTMENT 7/26/17

US HWY 50 & CLUB MANOR DR 908 W US HWY 50 PUEBLO, CO 81008 CONSTRUCTION FLOOR PLAN

corporate - relo

DESIGN DEVELOPMENT

DATE: 12/19/2017
SCALE:
DRAWN BY:
PROJECT No.: TMO364
SHEET:



SHEET SYMBOLS EXISTING AREA N.I.C. FINISH TAG FIXTURE TAG ROOM FINISH TAG F X### B X### W X### FLOOR FINISH BASE FINISH WALL FINISH

SYMBOL	DESCRIPTION
B1##	BASE - RUBBER
B2##	BASE - WOOD
F1##	FLOORING - WOOD
F2##	FLOORING - RESILIENT TILE
F3##	FLOORING - CERAMIC / PORCELAIN TILE
F4##	FLOORING - CARPET
P1##	PAINT
W1##	WALLCOVERING - WET AREA SURROUND
W2##	CORNER GUARD

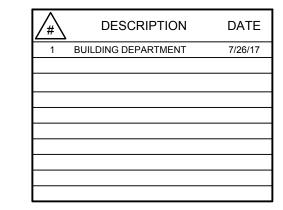
GENERAL NOTES

- SEE SHEET A571 FOR FLOOR TRANSITION AND BASE DETAILS.
 PREPARE EXISTING FLOOR SURFACE PER MANUFACTURER SPECIFICATIONS FOR INSTALLATION OF NEW FLOORING MATERIALS AS INDICATED IN THESE PLANS. SEE SPECIFICATIONS AND MANUFACTURER INSTRUCTIONS FOR ADDITIONAL FLOOR INSTALLATION NOTES. CLEAN AND FINISH FLOOR PER MANUFACTURER INSTRUCTIONS. FOR FLOOR FINISHES, COMPLY WITH THESE RECOMMENDATIONS AT MINIMUM OR NOT LESS THAN MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER TO MANUFACTURER'S INSTALLATION SPECIFICATIONS FOR ALL FINISHES INCLUDING FLOOR LEVELING REQUIREMENTS, EXPANSION SPACES, VAPOR BARRIERS, UNDERLAYMENT, SITE
- CONDITIONS, ETC. 3.1. SUBFLOOR PREPARATION: GRIND HIGH SPOTS AND FILL LOW SPOTS TO PRODUCE A MAXIMUM 1/8" (3-MM) DEVIATION IN ANY DIRECTION WHEN CHECKED WITH A 10' (3-M)
- 3.2. EXPANSION: PROVIDE EXPANSION SPACE AT WALLS AND OTHER OBSTRUCTIONS AND TERMINATIONS OF FLOORING OF NOT LESS THAN DIRECTED BY MANUFACTURER.
- 3.3. PROTECTION: PROVIDE FLOOR PROTECTION UP UNTIL FINAL CLEANING. 4. CENTER FLOORING WITHIN EACH ROOM. FIRST PLANK SHOULD BE CENTERED BETWEEN THE DEMISING WALLS AND PLACED SO THAT PARTIAL PLANKS ARE NEAR THE DEMISING WALLS AND UNDERNEATH THE SYSTEM WALL UNLESS OTHERWISE NOTED.

12920 SE 38th STREET BELLEVUE, WA 98006 www.t-mobile.com

Firm's License #

State License #

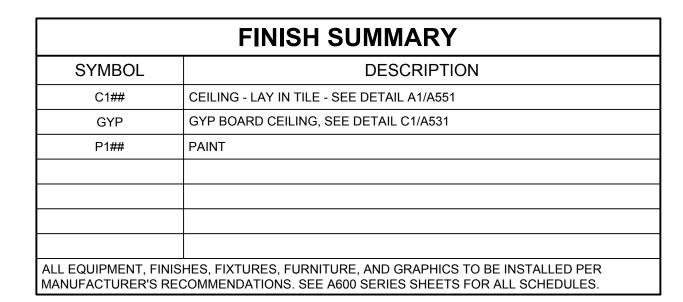


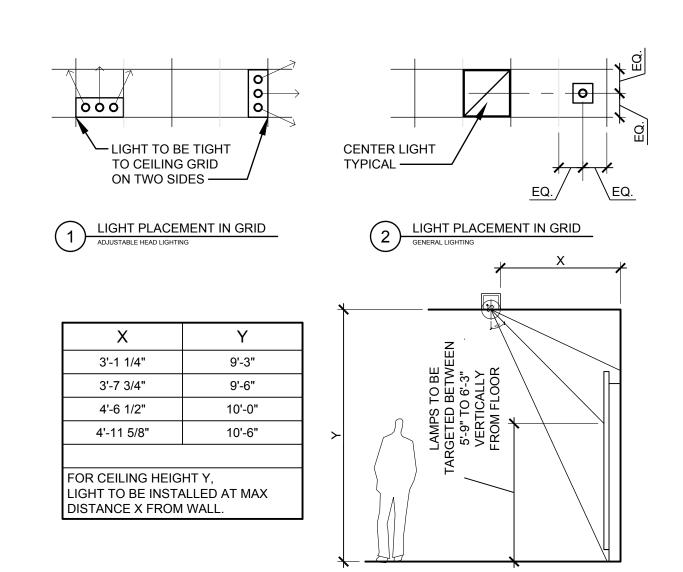
LOOR

corporate - Relo

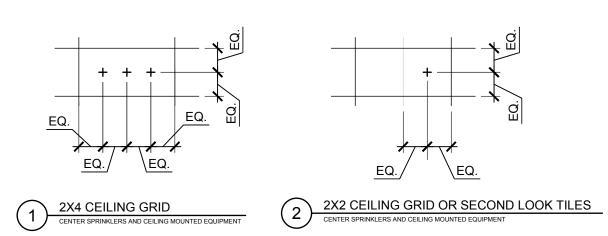
DESIGN DEVELOPMENT

DATE: 12/19/2017 SCALE: DRAWN BY: TMO364 PROJECT No.: SHEET:

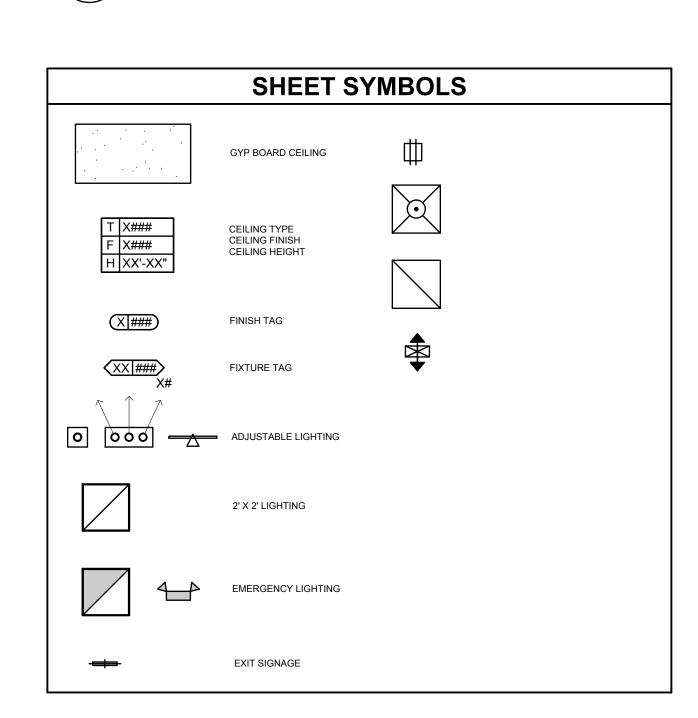




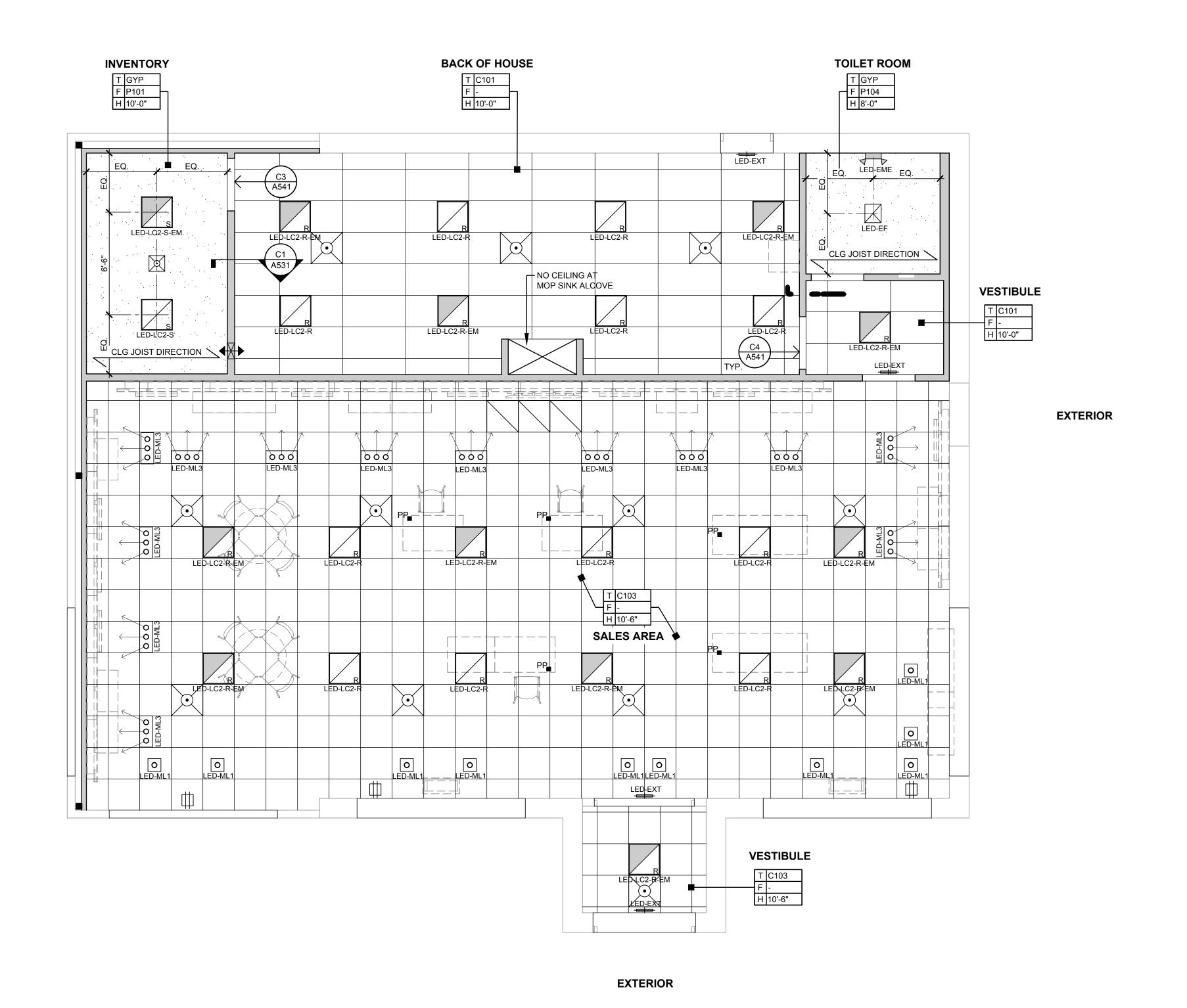




EQUIPMENT PLACEMENT IN GRID



EXTERIOR



REFLECTED CEILING PLAN

EXTERIOR



GENERAL NOTES

G.C. TO VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECTS IMMEDIATELY OF ANY

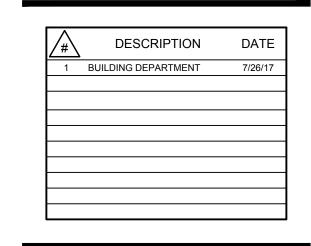
- DISCREPANCIES OR UNFORESEEN ITEMS NOT SHOWN ON DRAWINGS, INCLUDING CEILING
- UNLESS OTHERWISE NOTED ON PLANS, ALL CEILING EQUIPMENT SHOULD FOLLOW THE
- LAYOUT GUIDE ON THIS SHEET. G.C. SHALL FIELD VERIFY EXISTING EGRESS LIGHTING AND PROVIDE NEW EMERGENCY
- LIGHT FIXTURES AS REQUIRED BY FIRE MARSHAL.
- REFER TO MECHANICAL DRAWINGS FOR FURTHER INFORMATION ON SCOPE AND LOCATION OF MECHANICAL ITEMS
- REFER TO VENDOR INSTALLATION GUIDE AND MANUFACTURER INSTRUCTIONS FOR
- FIXTURE INSTALLATION.

REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES AND LIGHT FIXTURE SCHEDULE.

12920 SE 38th STREET BELLEVUE, WA 98006 www.t-mobile.com

Firm's License #

State License #



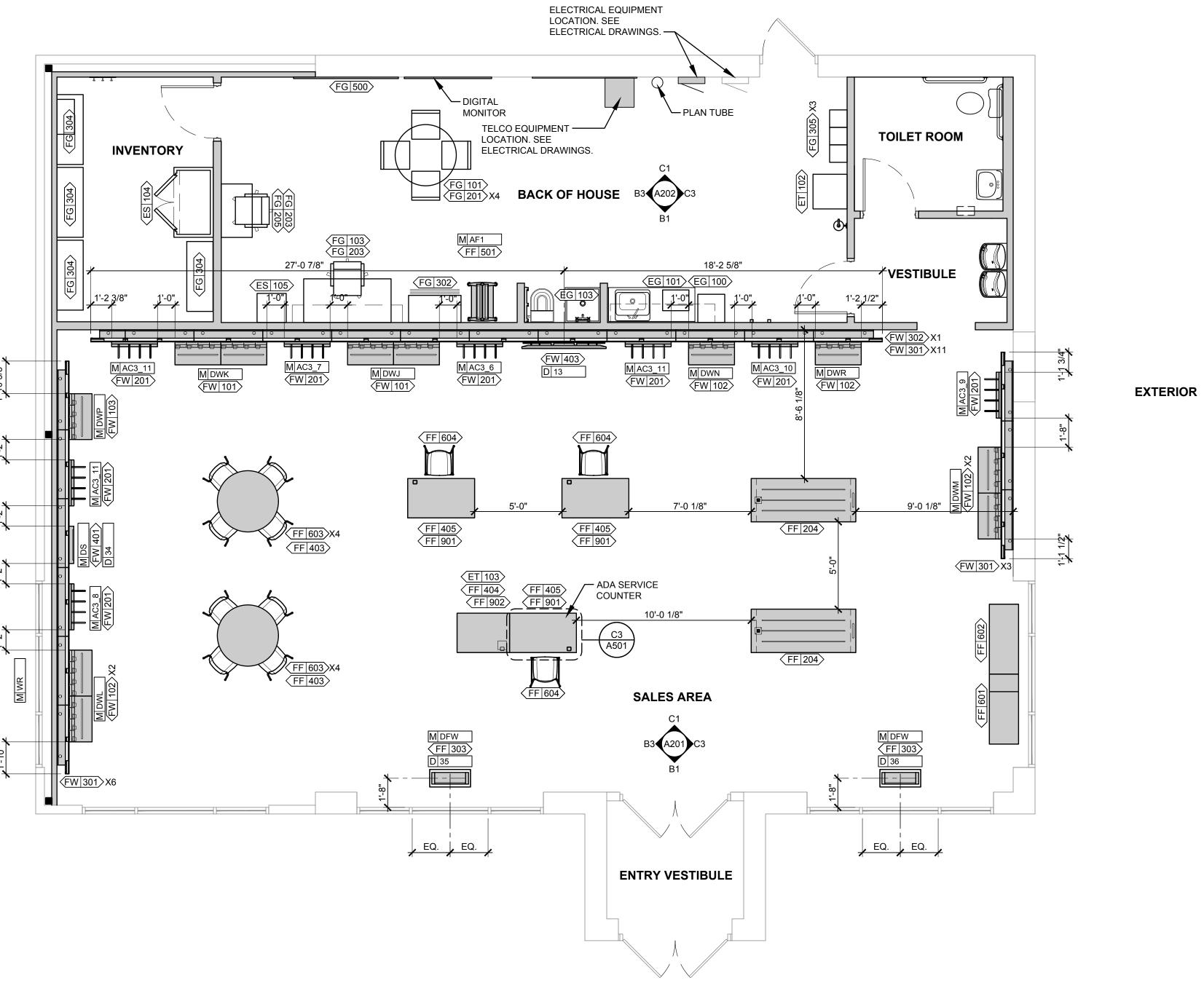
CEILING US HWY 50 & CLUB 908 W US HWY 50 81008

MDC CORPORATE - RELO 686

DESIGN DEVELOPMENT

DATE: 12/19/2017 SCALE: DRAWN BY: TMO364 PROJECT No .:

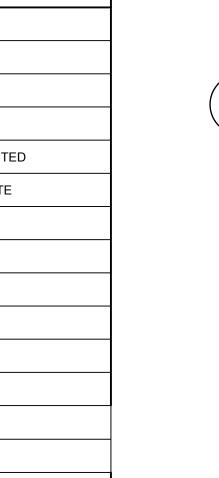
EXTERIOR



SHEET	SYMBOLS
	EXISTING AREA N.I.C.
<u> </u>	FIXTURE TAG
XX ### X#	FIXTURE WITH CONTENT
	LINETYPE INDICATES ACCESSIBLE CLEARANCE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
EG1##	EQUIPMENT GENERAL	FG1##	FURNITURE GENERAL - TABLE
ES1##	EQUIPMENT SECURITY	FG2##	FURNITURE GENERAL - SEATING
ET1##	EQUIPMENT TECHNOLOGY	FG3##	FURNITURE GENERAL - STORAGE
FF1##	FLOOR FIXTURE - SALES COUNTER	FG5##	FURNITURE GENERAL - WALL MOUNTED
FF2##	FLOOR FIXTURE - FEATURE TABLE	FG6##	FURNITURE GENERAL - KITCHENETTE
FF3##	FLOOR FIXTURE - DIGITAL MONITOR	FW1##	FIXTURE WALL - DISPLAY WALL
FF4##	FLOOR FIXTURE - CONSULTATION TABLE	FW2##	FIXTURE WALL - ACCESSORY
FF5##	FLOOR FIXTURE - 2 SIDED FRAME	FW3##	FIXTURE WALL - SYSTEM WALL
FF6##	FLOOR FIXTURE - SEATING	FW4##	FIXTURE WALL - DIGITAL MONITOR
		FW5##	FIXTURE WALL - WALL GRAPHIC
 DTAL NUMB	BER OF POS		##
TAL NIIMB	SER OF CASH DRAWERS		##

EXTERIOR



FIXTURE FLOOR PLAN

EXTERIOR

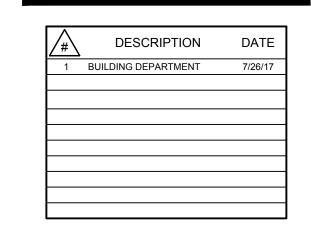
GENERAL NOTES

- G.C. TO FIELD VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECTS IMMEDIATELY OF ANY DISCREPANCIES OR UNFORESEEN ITEMS NOT SHOWN ON DRAWINGS.
 G.C. TO VERIFY THAT ADA COUNTERTOPS COMPLY WITH C1/A501
 FIXTURES FURNISHED BY T-MOBILE AND INSTALLED BY G.C. OR FIXTURE VENDOR. REFER TO FIXTURE MANUFACTURER INSTRUCTIONS FOR ALL ATTACHMENTS TO WALL AND FLOOR. PROVIDE ALL BLOCKING AND ANCHORS AS REQUIRED.
 G.C. TO COORDINATE FLOOR POWER WITH ELECTRICAL SHEETS AND FIXTURE PLAN.
 RELOCATE ALL THERMOSTATS AND OTHER WALL MOUNTED DEVICES AS PER LOCAL CODE AS REQUIRED PER NEW FIXTURE LAYOUT. COORDINATE WITH CONSTRUCTION PM/ARCHITECT.

12920 SE 38th STREET BELLEVUE, WA 98006 www.t-mobile.com

Firm's License #

State License #

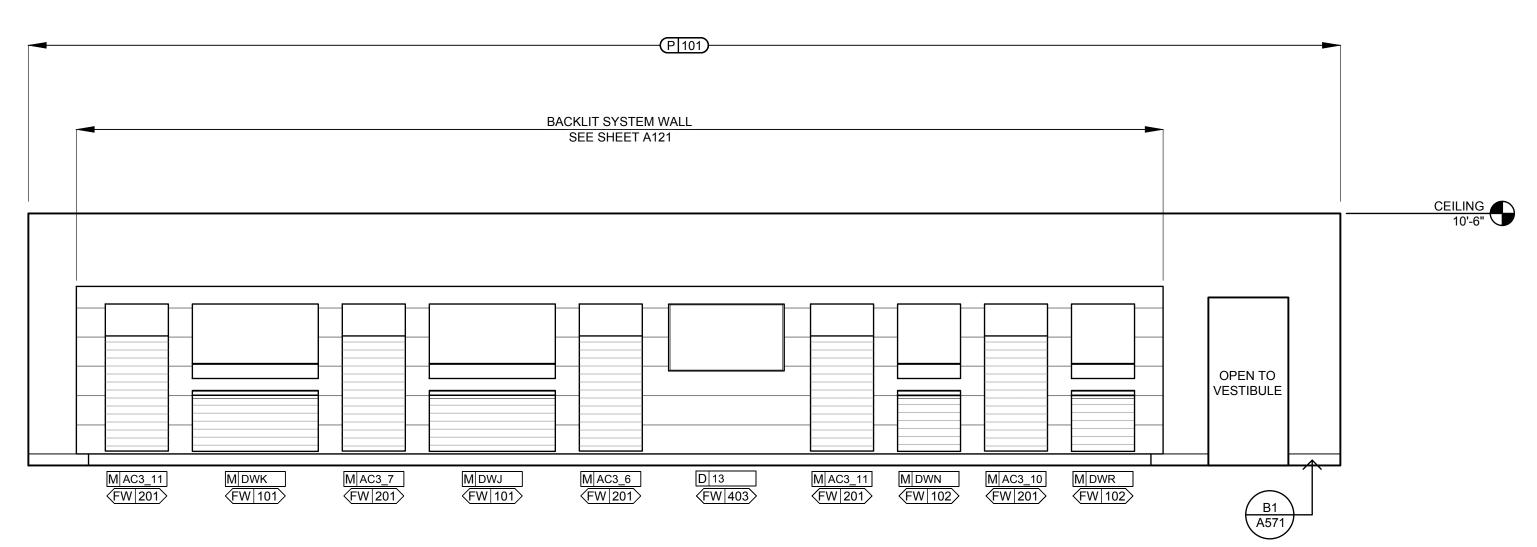


US HWY 50 & CLUB 908 W US HWY 50

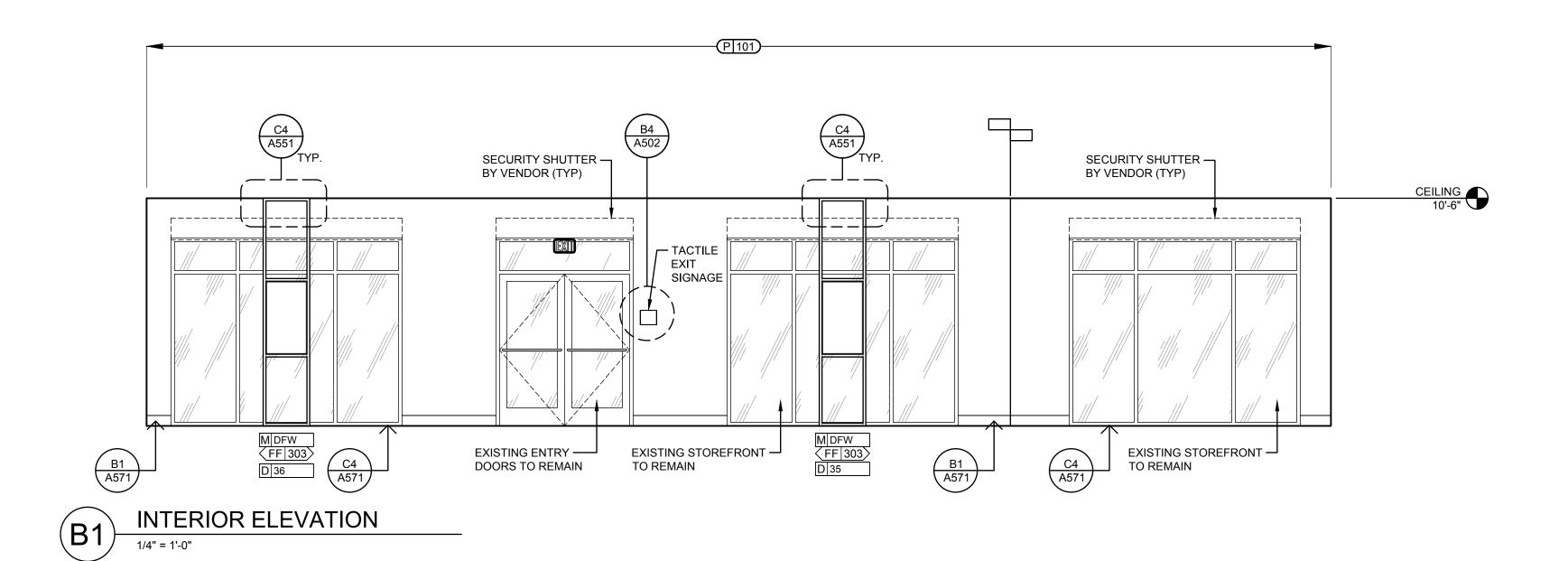
corporate - relo

DESIGN DEVELOPMENT

DATE: 12/19/2017 SCALE: DRAWN BY: PROJECT No.: TMO364



(C1) INTERIOR ELEVATION



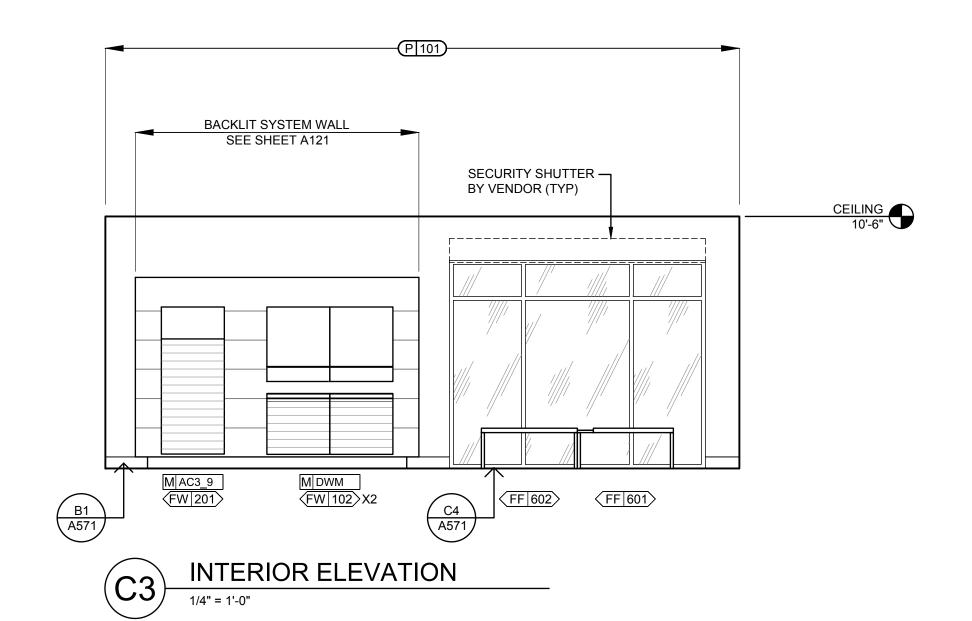
SHEET SYMBOLS

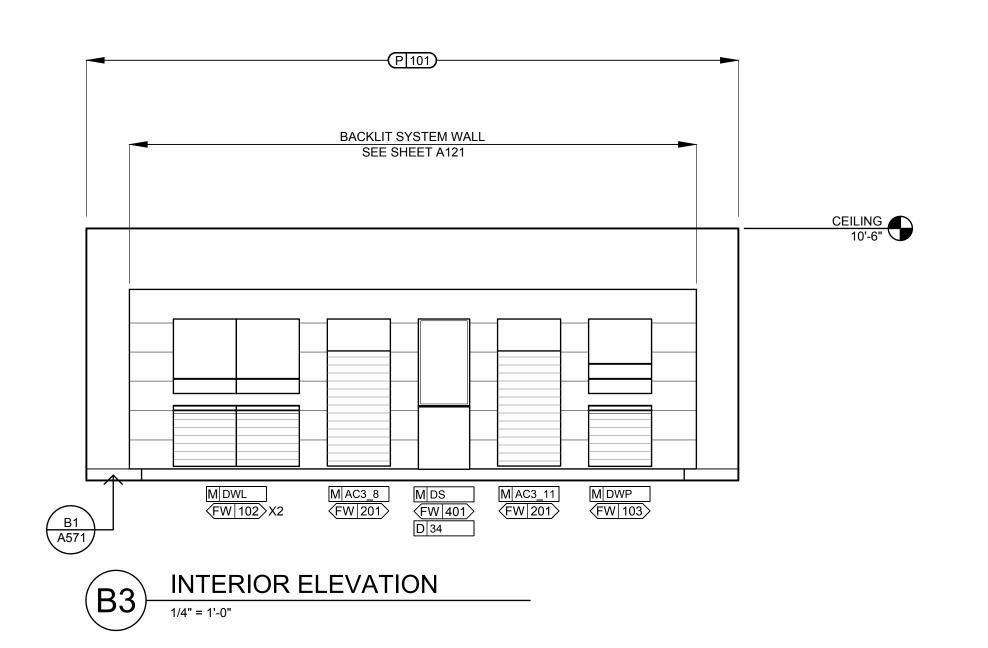
XX ### X# FIXTURE TAG

MAC3_6
XX ### X# FIXTURE TAG WITH CONTENT

DI09

X ###
OR
FINISH TAG





GENERAL NOTES

G.C. TO VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECTS IMMEDIATELY OF ANY DISCREPANCIES OR UNFORESEEN ITEMS NOT SHOWN ON DRAWINGS.
REFER TO FIXTURE MANUFACTURER INSTRUCTIONS FOR ALL ATTACHMENTS TO WALL AND FLOOR. PROVIDE ALL BLOCKING AND ANCHORS AS REQUIRED.

T -- Mobile
12920 SE 38th STREET
BELLEVUE, WA 98006

www.t-mobile.com

Firm's License #

State License #

DESCRIPTION DATE

1 BUILDING DEPARTMENT 7/26/17

US HWY 50 & CLUB MANOR DR 908 W US HWY 50 PUEBLO, CO 81008 SALES FLOOR INTERIOR ELEVATIONS

CORPORATE - RELO

DESIGN DEVELOPMENT

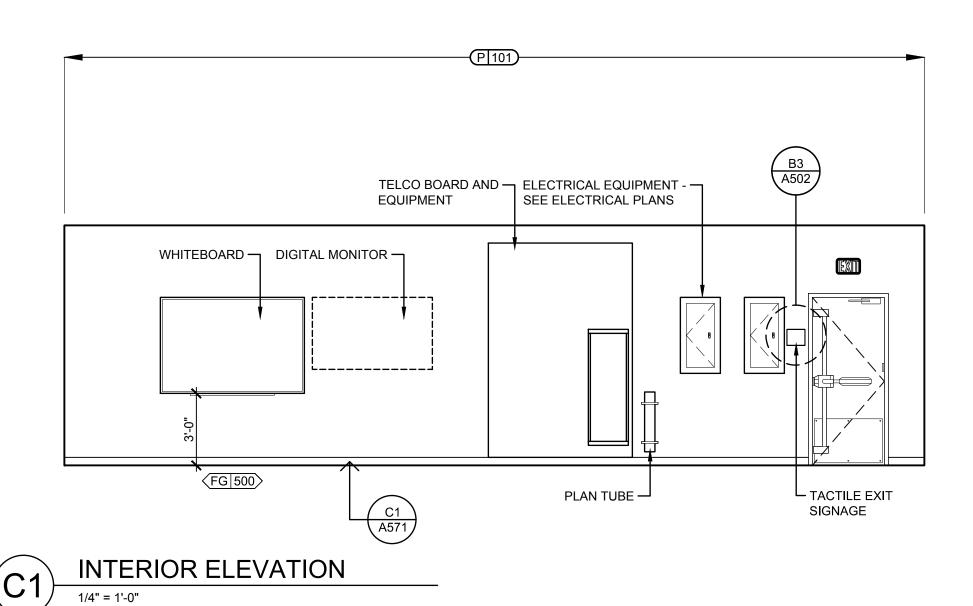
DATE: 12/19/2017

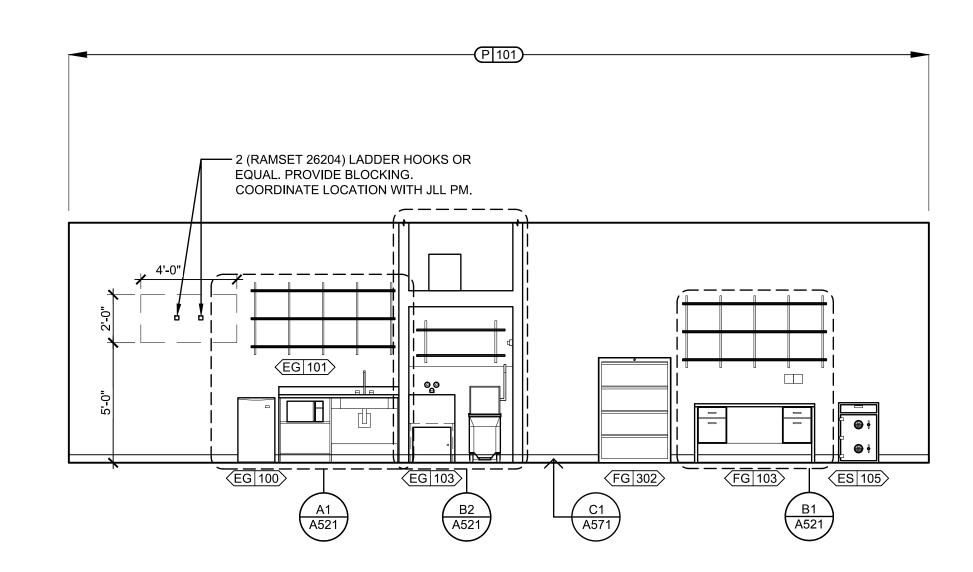
SCALE:

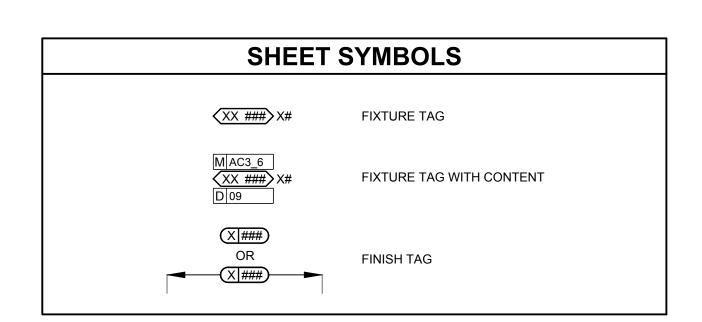
DRAWN BY:

PROJECT No.: TMO364

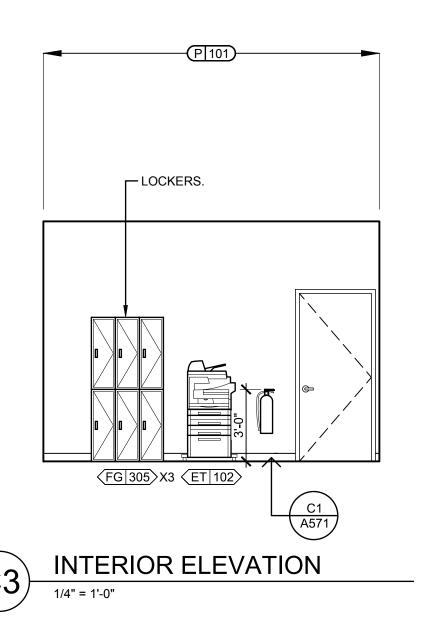
SHEET:

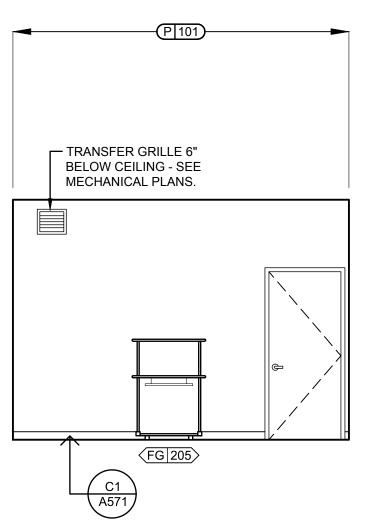






INTERIOR ELEVATION







GENERAL NOTES

G.C. TO VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECTS IMMEDIATELY OF ANY DISCREPANCIES OR UNFORESEEN ITEMS NOT SHOWN ON DRAWINGS.
REFER TO FIXTURE MANUFACTURER INSTRUCTIONS FOR ALL ATTACHMENTS TO WALL AND FLOOR. PROVIDE ALL BLOCKING AND ANCHORS AS REQUIRED.



Firm's License #

State License #

DESCRIPTION DATE

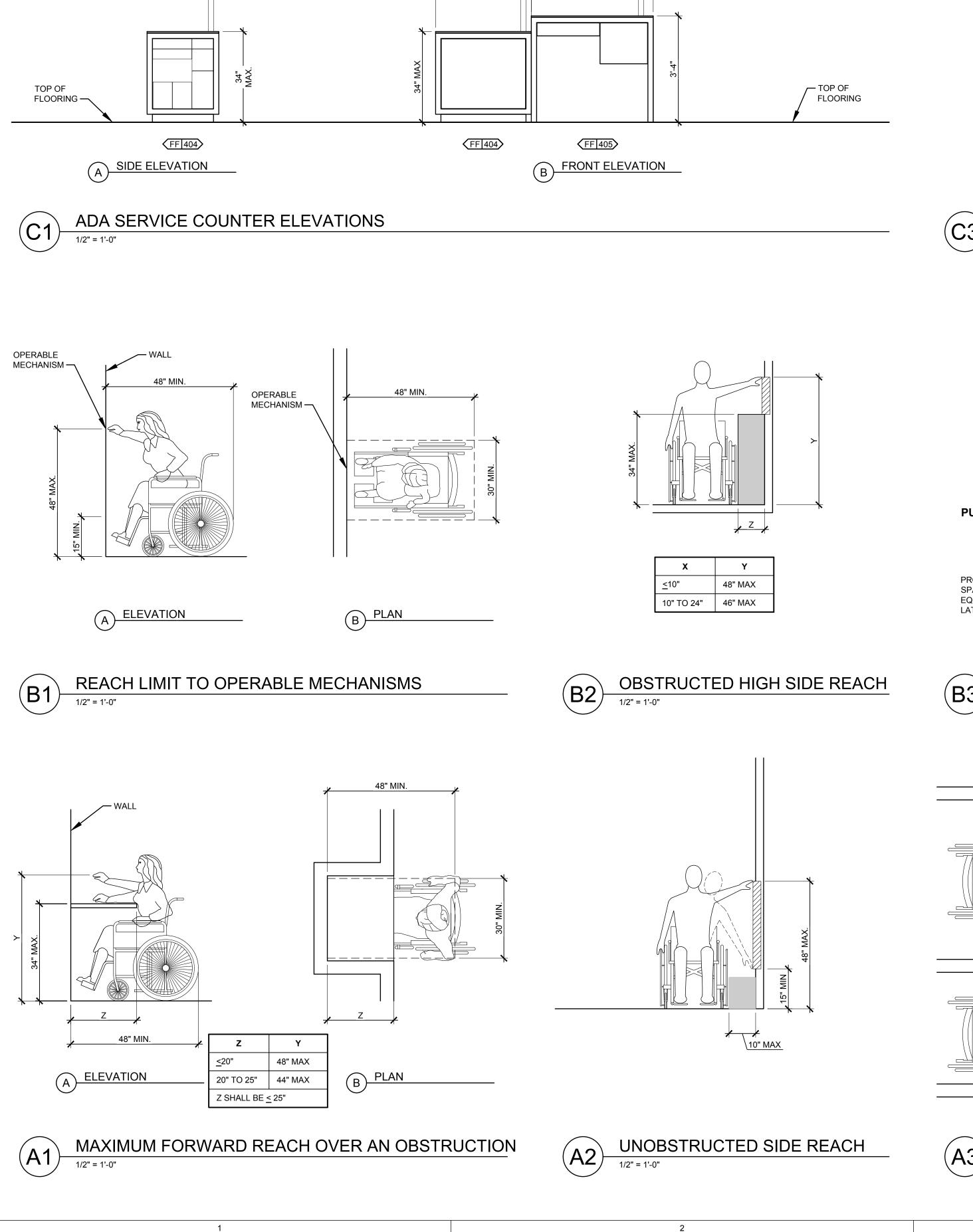
1 BUILDING DEPARTMENT 7/26/17

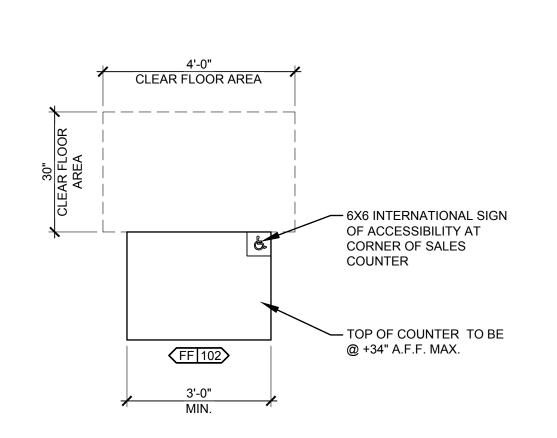
BACK OF HOUSE
INTERIOR ELEVATIONS

corporate - relo

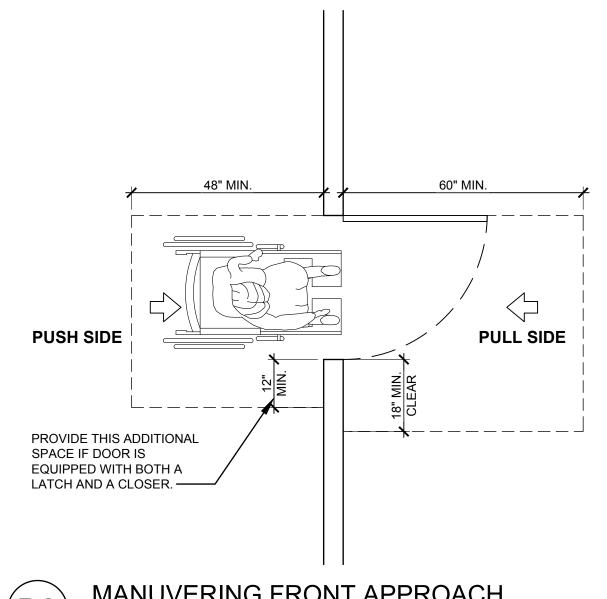
DESIGN DEVELOPMENT

DATE: 12/19/2017
SCALE:
DRAWN BY:
PROJECT No.: TMO364
SHEET:



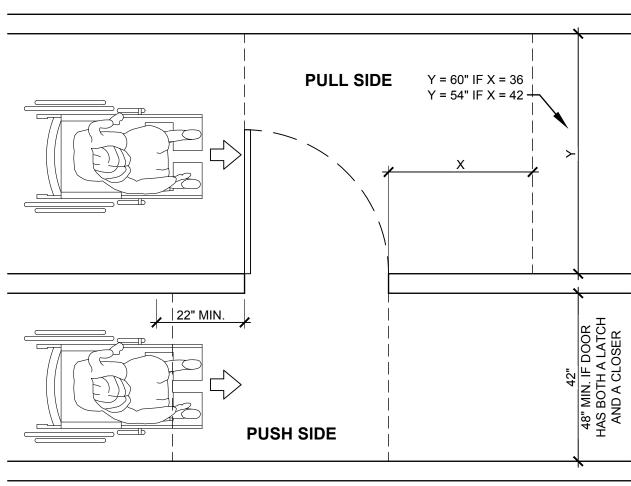




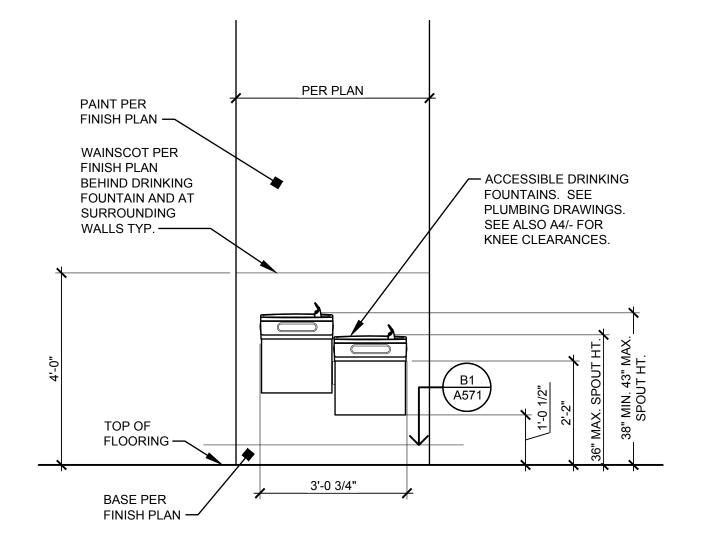


B3 MANUVERING FRONT APPROACH

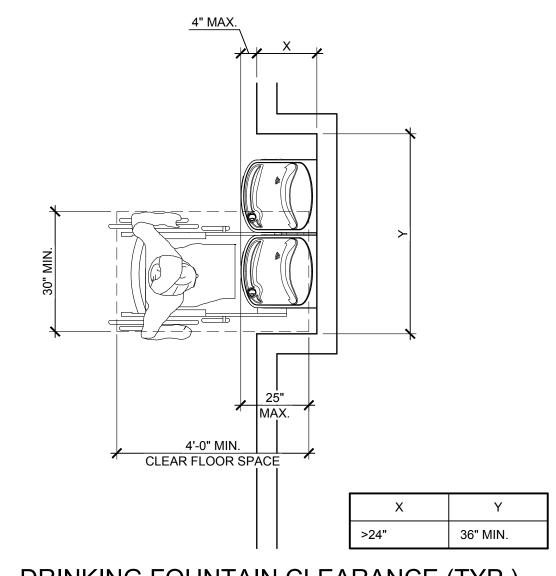
1/2" = 1'-0"



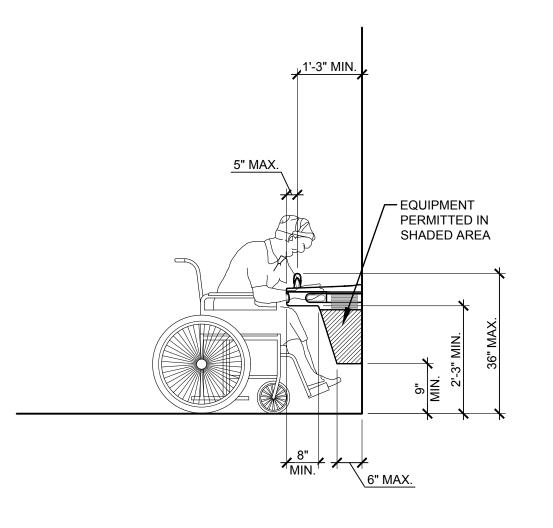




C4 DRINKING FOUNTAIN ELEVATION



B4) DRINKING FOUNTAIN CLEARANCE (TYP.)



SPOUT HEIGHT AND KNEE CLEARANCE

1/2" = 1'-0"

T -- Mobile
12920 SE 38th STREET
BELLEVUE, WA 98006

www.t-mobile.com

Firm's License #

State License #

DESCRIPTION DATE

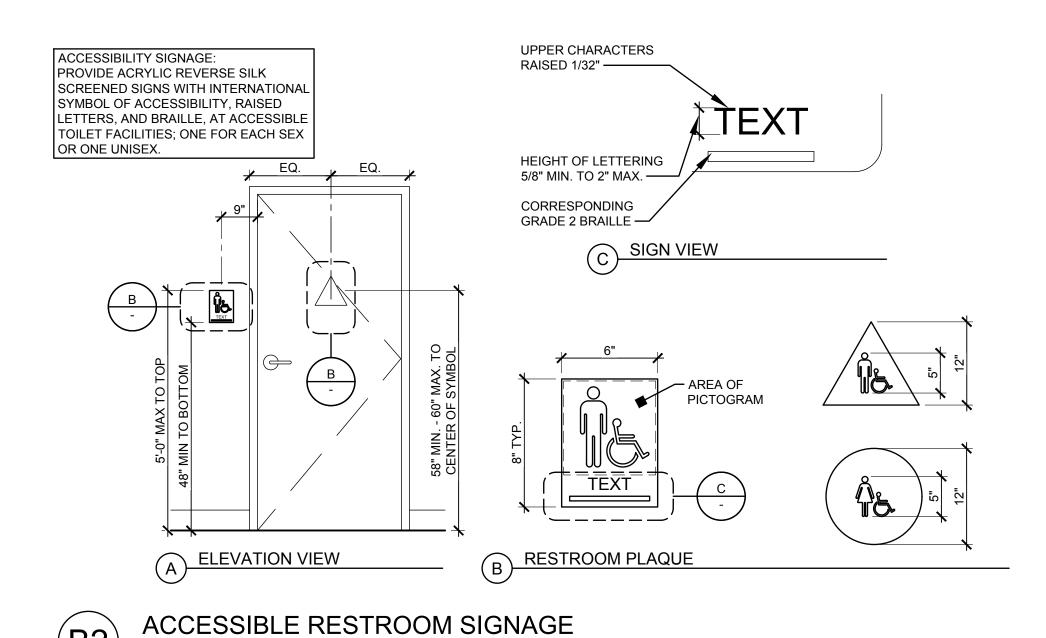
1 BUILDING DEPARTMENT 7/26/17

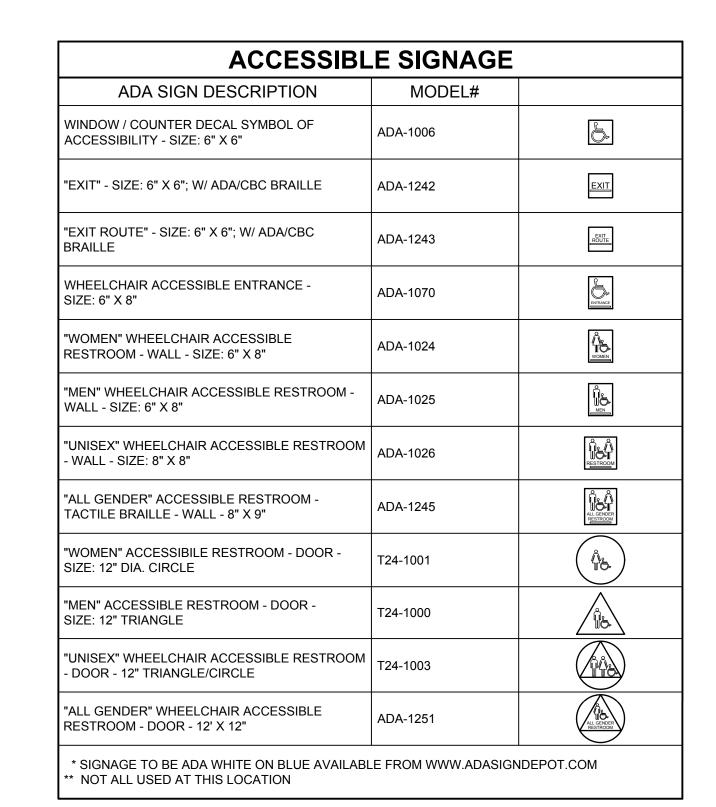
US HWY 50 & CLUB MANOR DR 908 W US HWY 50 PUEBLO, CO 81008 ACCESSIBILITY DETAILS

corporate - RELO

DESIGN DEVELOPMENT

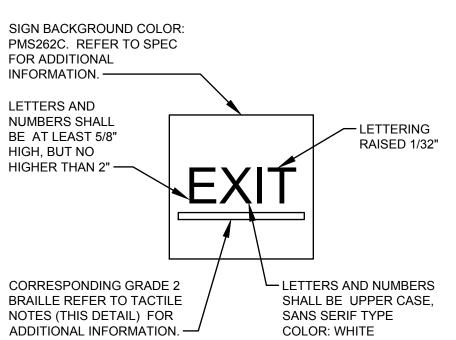
DATE: 12/19/2017
SCALE:
DRAWN BY:
PROJECT No.: TMO364
SHEET:





WALL MOUNTED
TACTILE SIGNAGE TO
BE LOCATED ON
LATCH SIDE OF DOOR
CLEAR OF DOOR
SWING. MOUNT @ 48
MIN. (TO BOTTOM) 60"
MAX. (TO TOP) OF
SIGN TO FLOOR.

CORF
BRAIL
NOTE
ADDIT



(A) TACTILE EXIT SIGNAGE (PLASTIC SIGN)

B EXIT SIGN DETAIL

B3 TACTILE EXIT SIGNAGE DETAILS

TACTILE EXIT SIGNAGE REQUIREMENTS

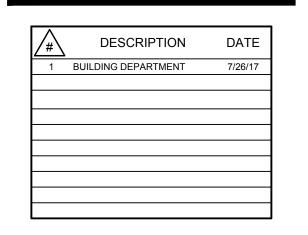
- EACH GRADE-LEVEL EXTERIOR DOOR SHALL BE IDENTIFIED BY A TACTILE SIGN WITH THE WORD "EXIT".
- EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE OR AN EXIT PASSAGEWAY IS IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE".
- EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP IS IDENTIFIED BY A TACTILE EXIT SIGN THAT STATES "EXIT STAIR DOWN", "EXIT RAMP DOWN", "EXIT STAIR UP" OR "EXIT RAMP UP", AS APPROPRIATE.
- EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN IS IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE".
- 5. EACH EXIT DOOR THROUGH A HORIZONTAL EXIT SHALL BE IDENTIFIED BY A SIGN WITH THE WORDS, "TO EXIT".
- 6. LETTERS ON SIGNS ARE RAISED 1/32", SANS SERIF UPPERCASE CHARACTERS AND ARE ACCOMPANIED BY GRADE 2 BRAILLE.
- 7. RAISED CHARACTERS ARE BETWEEN 5/8" AND 2" HIGH.
- BRAILLE DOTS ARE 1/10" ON CENTER IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. [NOTE: CA AND OTHER JURISDICTIONS ONLY]
- 9. BRAILLE DOTS ARE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND.
- 10. CHARACTERS AND BACKGROUND OF SIGNS IS EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH.
- 11. CHARACTERS CONTRAST WITH THEIR BACKGROUND (LIGHT CHARACTERS ON A DARK BACKGROUND, OR DARK CHARACTERS ON A LIGHT BACKGROUND.
- 12. LETTERS ON SIGNS HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT BETWEEN 1:5 AND 1:10.
- 13. SIGNS ARE TO BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. (AT DOUBLE LEAF DOORS AND WHEN THERE IS NO WALL SPACE AT THE LATCH SIDE, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT.)
- 14. MOUNTING HEIGHT IS 60" MAX. FROM THE FINISHED FLOOR TO THE TOP OF THE SIGN.
- 15. MOUNTING LOCATION ALLOWS A PERSON TO APPROACH WITHIN 3" OF THE SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.

T·-Mobile

12920 SE 38th STREET BELLEVUE, WA 98006 www.t-mobile.com

Firm's License #

State License #



US HWY 50 & CLUB MANOF 908 W US HWY 50 PUEBLO, CO 81008

corporate - Relo

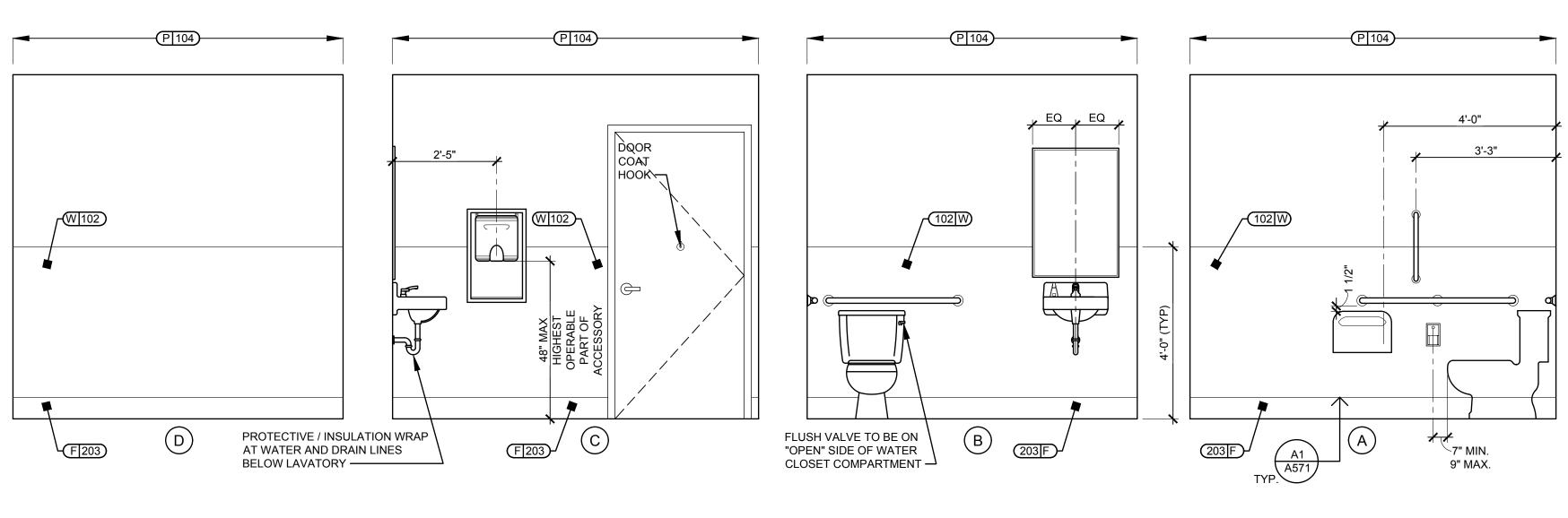
DESIGN DEVELOPMENT

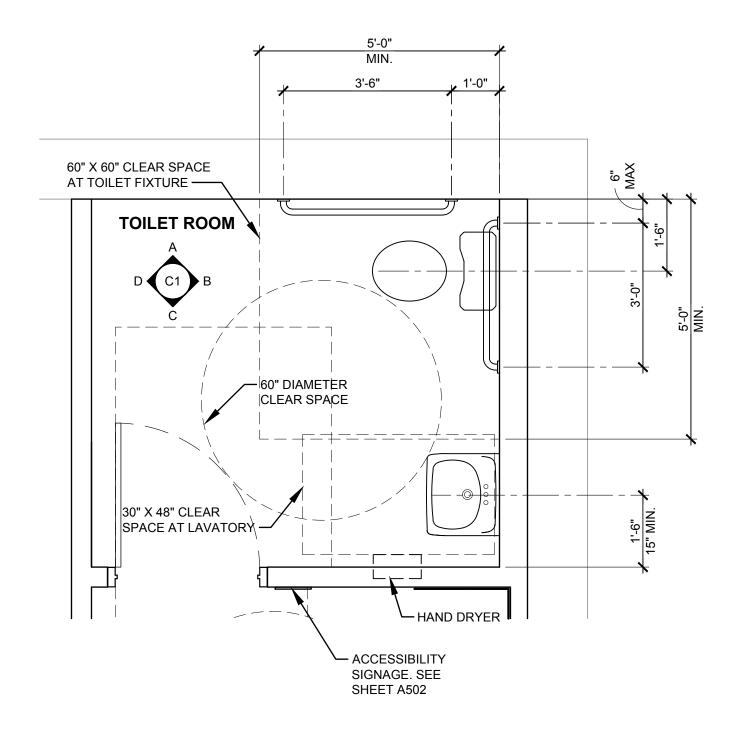
DATE: 12/19/2017

SCALE:

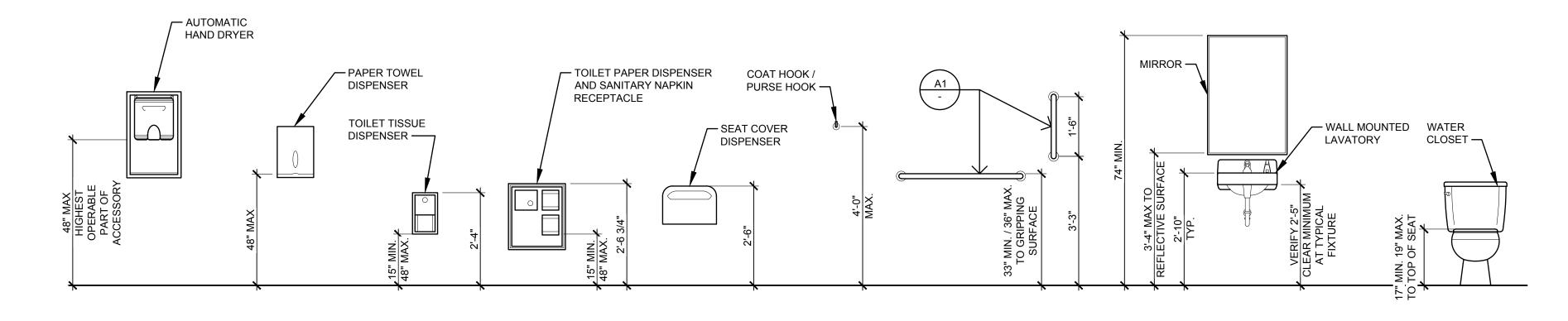
DRAWN BY:

PROJECT No.: TMO364



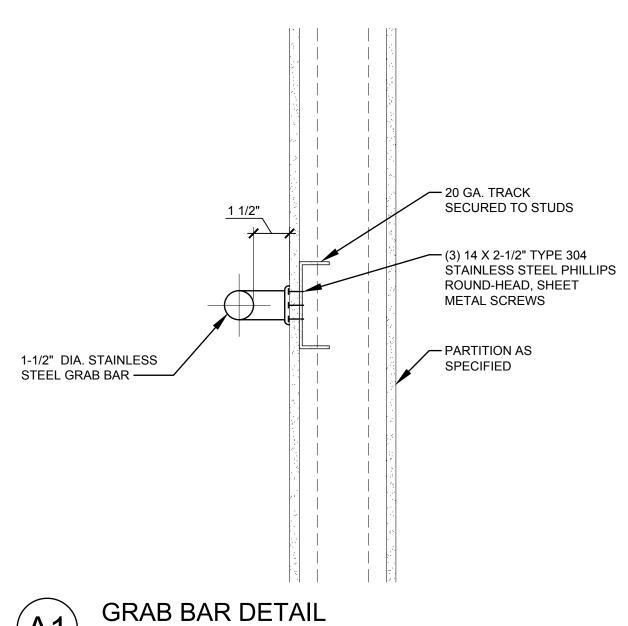






ENLARGED TOILET ROOM PLAN

TYPICAL MOUNTING HEIGHTS



GRAB BAR NOTES

1) GC TO INSTALL WITH MOUNTING KIT # 252-30.

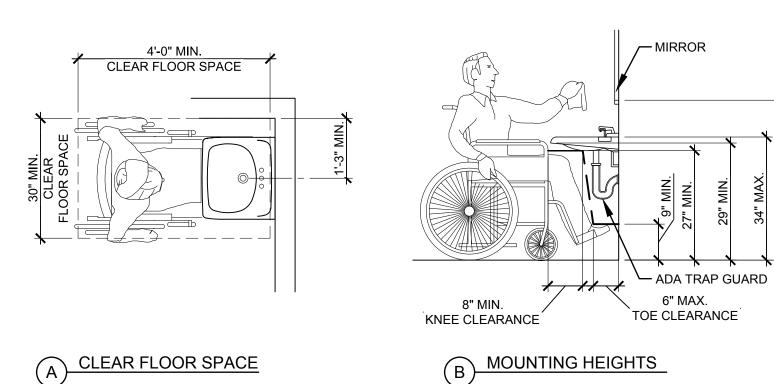
2) THE STRUCTURAL STRENGTH OF GRAB BARS SHALL MEET THE FOLLOWING SPECIFICATIONS: (A) BENDING STRESS IN A GRAB BAR INDUCED BY THE MAXIMUM BENDING MOMENT FROM THE APPLICATION OF 250 lbf (1112N) SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR.

(B) SHEAR STRESS INDUCED IN A GRAB BAR BY THE APPLICATION OF 250 lbf (1112N) SHALL BE LESS THAN THE ALLOWABLE SHEAR STRESS FOR THE MATERIAL OF THE GRAB BAR. IF THE CONNECTIONS BETWEEN THE GRAB BAR AND ITS MOUNTING BRACKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY RESTRAINED, THEN DIRECT AND TORSIONAL SHEAR STRESSES SHALL BE TOTALED FOR THE COMBINED SHEAR STRESS, WHICH SHALL NOT EXCEED THE ALLOWABLE SHEAR STRESS.

(C) SHEAR FORCE INDUCED IN A FASTENER OR MOUNTING DEVICE FROM THE APPLICATION OF 250 lbf (1112N) SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE, WHICHEVER IS THE SMALLER ALLOWABLE LOAD.

(D) TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF 250 lbf (1112N) PLUS THE MAXIMUM MOMENT FROM THE APPLICATION OF 250 lbf (1112N) SHALL BE LESS THAN THE ALLOWABLE WITHDRAWAL LOAD BETWEEN THE FASTENER AND THE SUPPORTING

(E) GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.





ACCESSORIES

- FRAMES MIRROR: BOBRICK B-1652436
- SEAT COVER DISPENSER: ITEM #420660
- GRAB BAR: BOBRICK B06806 AUTOMATIC HAND DRYER: EXCEL XL-SB WITH ADA RECESSED MOUNTING KIT 40502

5. TOILET PAPER DISPENSER: BOBRICK B-2888 6. DOOR COAT HOOK: BOBRICK B-6827

GENERAL NOTES

- DISPENSERS THAT CONTROL DELIVERY OR THAT DO NOT PERMIT CONTINUOUS PAPER
- FLOW SHALL NOT BE USED.
- INTERIOR SURFACES TOILET ROOM FLOORS SHALL HAVE A SMOOTH, HARD, NON-ABSORBENT SURFACE, SUCH AS PORTLAND CEMENT, CONCRETE, CERAMIC TILE, OR OTHER APPROVED MATERIALS WHICH EXTEND UPWARD ONTO THE WALLS AT LEAST 5".

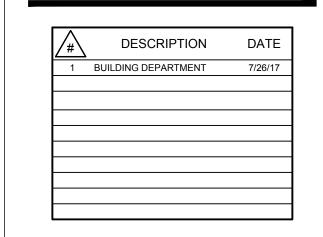
THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES OR SINKS. PROVIDE BLOCKING AT ALL WALL MOUNTED FIXTURES AND ACCESSORIES.

12920 SE 38th STREET BELLEVUE, WA 98006

www.t-mobile.com

Firm's License #

State License #

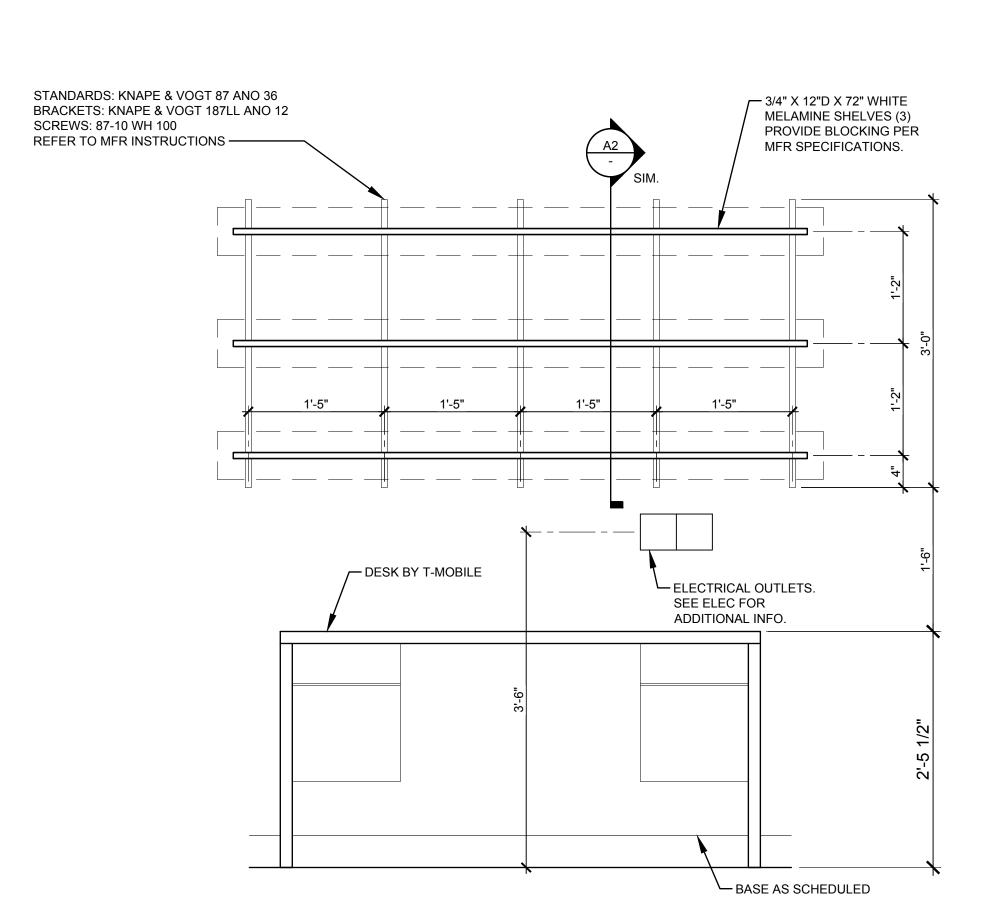


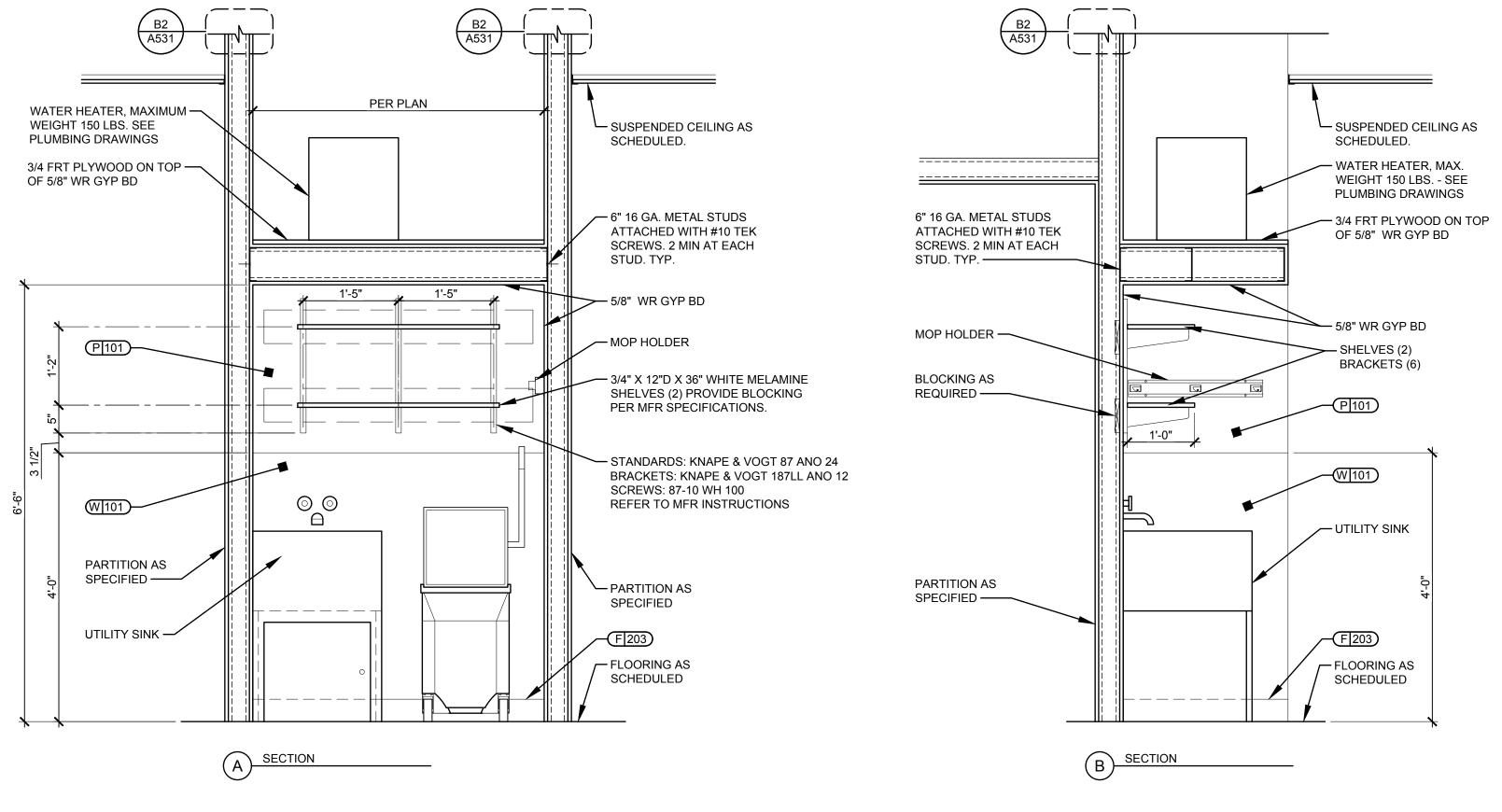
ROOM US HWY 50 & CLUB 908 W US HWY 50 81008

corporate - Relo

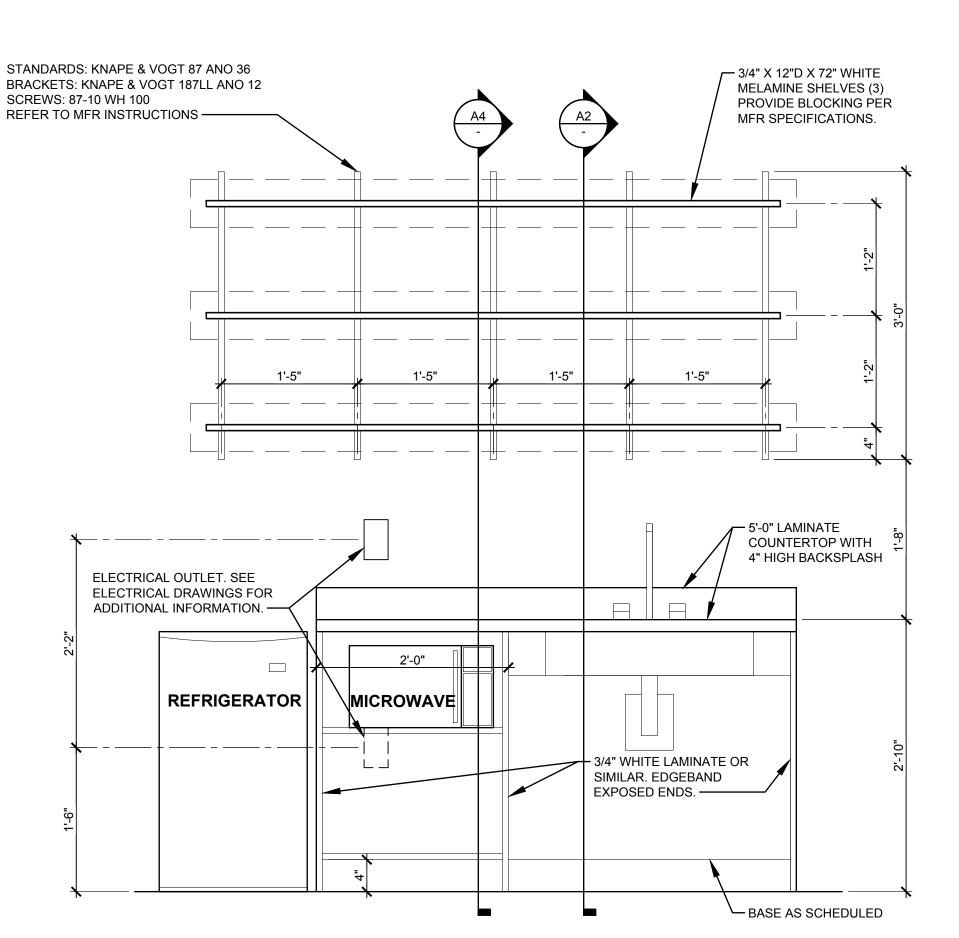
DESIGN DEVELOPMENT

DATE: 12/19/2017 SCALE: DRAWN BY: PROJECT No .: TMO364



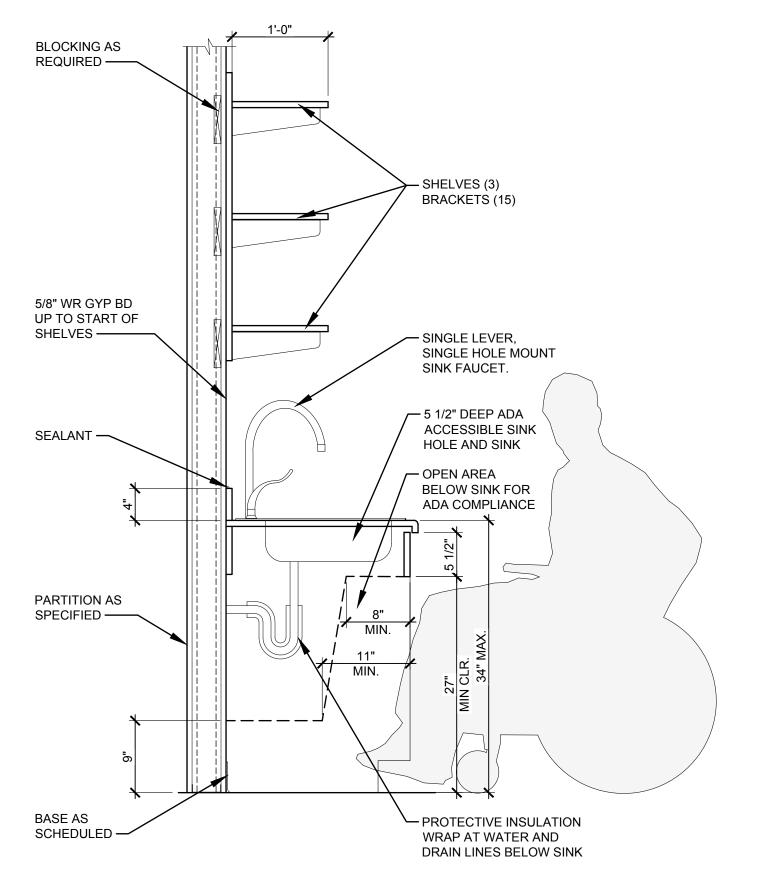




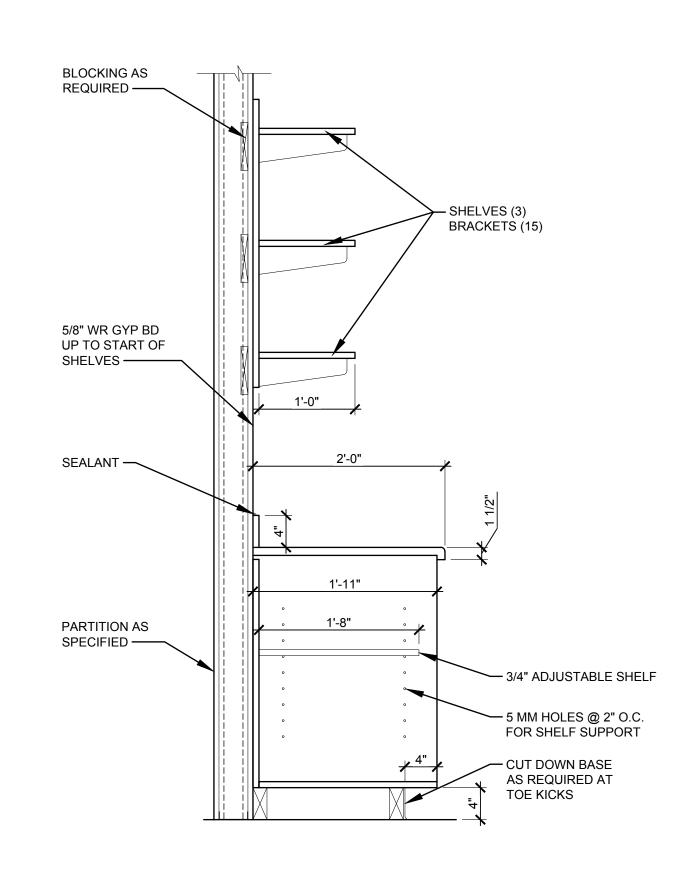












(A4) KITCHENETTE SECTION

T -- Mobile
12920 SE 38th STREET
BELLEVUE, WA 98006

www.t-mobile.com

Firm's License #

State License #

DESCRIPTION DATE

1 BUILDING DEPARTMENT 7/26/17

US HWY 50 & CLUB MANOR DR 908 W US HWY 50 PUEBLO, CO 81008 KITCHENETTE, MOP SINK AND MANAGERS DESK

MDC CORPORATE - RELO 686 DESIGN DEVELOPMENT

DATE: 12/19/2017

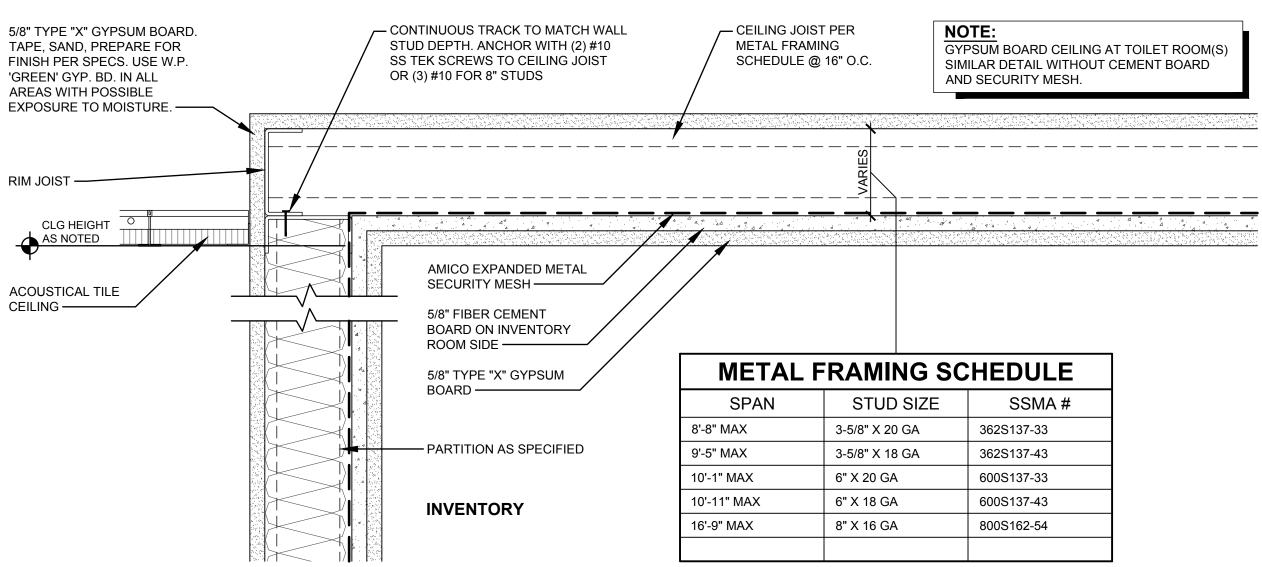
SCALE:

DRAWN BY:

PROJECT No.: TMO364

A521

SHEET:



INVENTORY ROOM PARTITION TO CEILING CONNECTION

AT SINGLE BRACE - FASTEN

ANGLE TO BRACE WITH (3)

NO. 8 SCREWS.

EXISTING ROOF DECK VERIFY EXACT CONDITION IN FIELD. — 3-5/8" X 20 GA. MET. STUD SECTION ATTACHED TO UNISTRUT P5000 HS @ 6'-0" O.C. UNISTRUT WITH (3) #10 AFFIX TO TOP CHORD OF SCREWS -TRUSS W/ UNISTRUT BEAM CLAMPS AT EACH END. - (3) #10 TEK SCREWS. EA. CONN. 3 5/8" X 20 GA. METAL EXISTING TRUSS BEYOND. VERIFY STUD BRACING @ 4'-0" O.C. CLIP AND BEND EXACT CONDITIONS. -

ATTACHMENT TO STRUCTURE

3 -	3 - STUD SIZING					
TAG	DESCRIPTION					
E	EXISTING					
1	1 5/8" METAL STUD					
3	3 5/8" METAL STUD					
6	6" METAL STUD					
Z	1" 25 GA. "Z" CHANNEL					

ZING		4 - INSULATION		
RIPTION		TAG	DESCRIPTION	
TING		Α	SOUND ATTENUATION BATT INSULATION	
TAL STUD		Т	THERMAL BATT INSULATION	
TAL STUD		R	RIGID THERMAL INSULATION	
		Е	EXISTING	
AL STUD	STUD		NO INSULATION/ CAVITY FILL	
" CHANNEL		G	GROUTED SOLID	

PARTITION DES	IGNATION
THE PARTITION-TYPE DESIGNATION OR WALL-TYPE DESIGNATION IS A FOUR-UNIT CODE THAT INDICATES THE CONFIGURATION, CONSTRUCTION AND INSULATION OF THE PARTITION AS FOLLOWS: 1. PARTITION TYPES 2. CONSTRUCTION OF PARTITION 3. STUD SIZING 4. INSULATION	1234

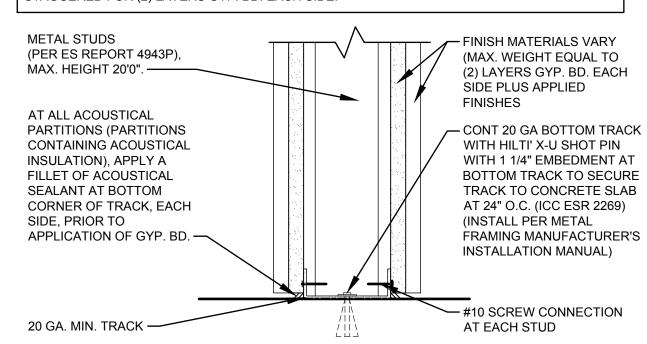
GENERAL NOTES

- G.C. TO FIELD VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECTS IMMEDIATELY OF ANY DISCREPANCIES OR UNFORESEEN ITEMS NOT SHOWN ON DRAWINGS. MAINTAIN FIRE RESISTANCE RATING FOR ALL TENANT DEMISING WALLS.
- PROVIDE WATER RESISTANT GYPSUM BOARD AT ALL WET LOCATIONS. (UTILITY SINK, KITCHENETTE, DRINKING FOUNTAIN, TOILET ROOM, ETC.) SEE SPECIFICATIONS FOR WALL FINISH INSTRUCTIONS.

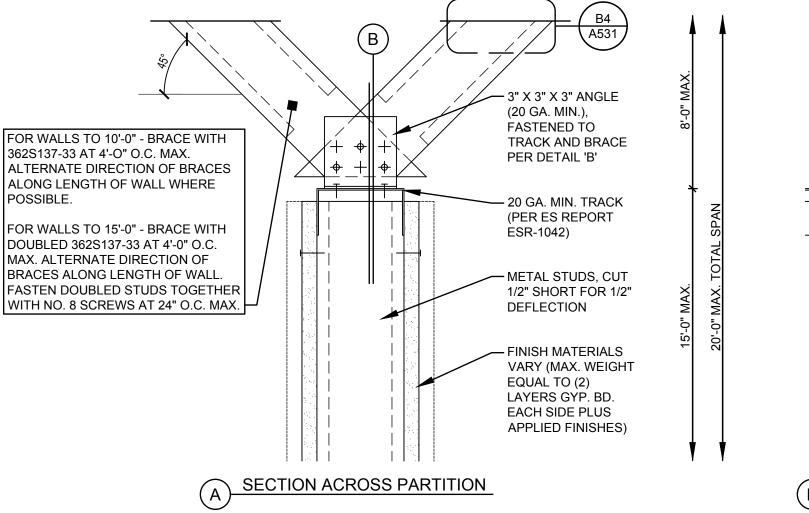
FASTENERS: AT PLYWOOD FLOOR (MIN. 3/4" CDX): PROVIDE (2) NO. 8 X 3/4" WOOD SCREWS AT 24" O.C. MAX. STAGGERED FOR (1) LAYER GYP. BD. EACH SIDE, 16" O.C. MAX. STAGGERED FOR (2) LAYERS GYP. BD. EACH SIDE. AT CIP CONCRETE FLOOR:

PROVIDE HILTI X-DNI .145"Ø X 1" EMBED (POWDER-ACTUATED FASTENERS PER ES REPORT ESR-1663) AT 24" O.C. MAX. STAGGERED FOR (1) LAYER GYP. BD. EACH SIDE, 16" O.C. MAX. STAGGERED FOR (2) LAYERS GYP. BD. EACH SIDE.

AT POST-TENSIONED CONCRETE FLOOR: PROVIDE HILTI X-DNI .145Ø X 3/4" EMBED (POWER-ACTUATED FASTENERS PER ES REPORT ESR-1663) AT 24" O.C. MAX. STAGGERED FOR (1) LAYER GYP. BD. EACH SIDE, 16" O.C. MAX. STAGGERED FOR (2) LAYERS GYP. BD. EACH SIDE.

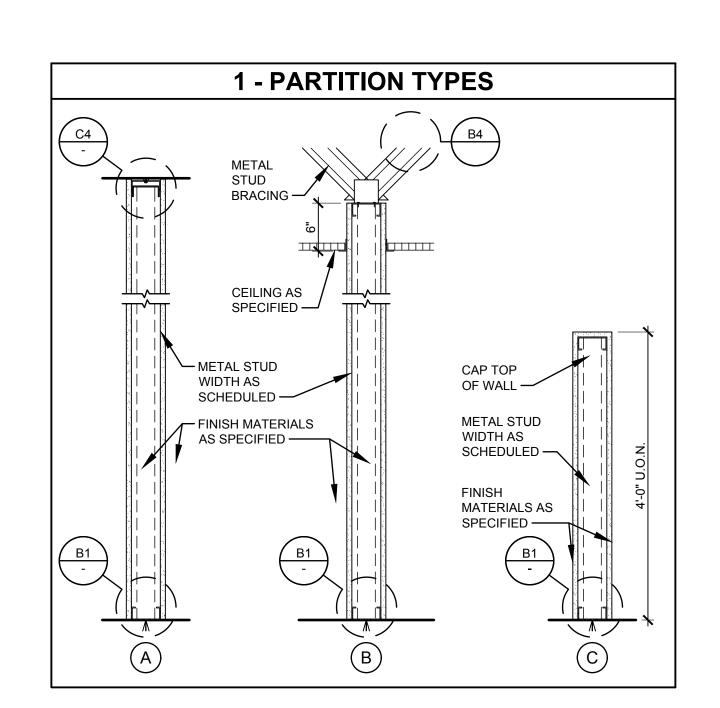


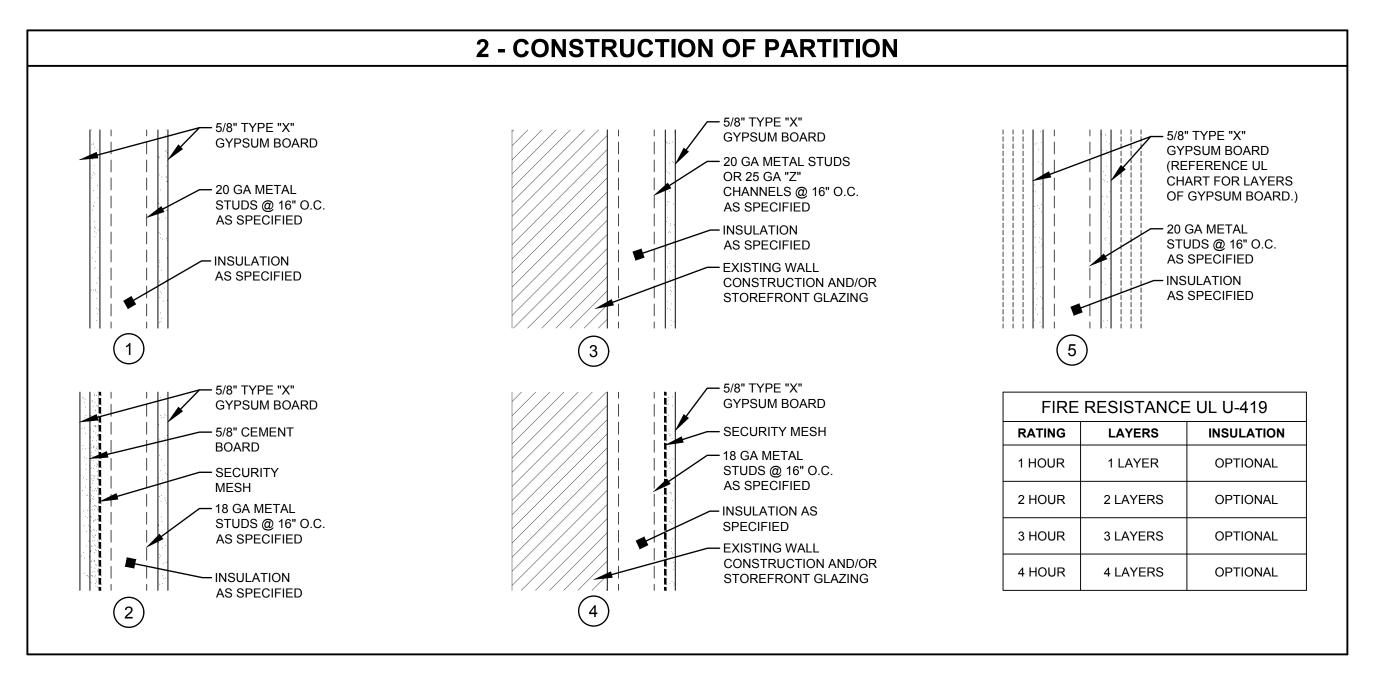
PARTITION FLOOR CONNECTION



AT DOUBLE BRACE -FASTEN DOUBLE BRACE TO BOTH ANGLES WITH (6) NO. 8 SCREWS THROUGH BRACE AND BOTH ANGLES AT SINGLE BRACE - FASTEN ANGLE TO TRACK WITH (4) NO. 8 SCREWS AT DOUBLE BRACE - FASTEN (2) ANGLES TO TRACK WITH (4) NO. 8 SCREWS AT EACH ANGLE B SECTION ACROSS BRACING

TOP OF WALL BRACING DETAIL





PU

MDC CORPORATE - RELO

DESIGN DEVELOPMENT

12/19/2017

TMO364

BELLEVUE, WA 98006 www.t-mobile.com

Firm's License #

State License #

DESCRIPTION BUILDING DEPARTMENT

81008

7 50 & CLUB JS HWY 50

US 1 908

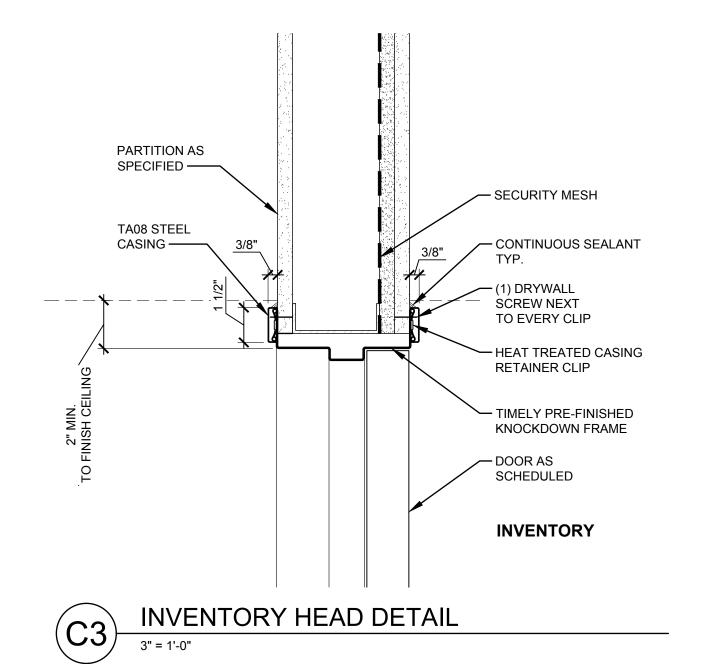
DATE:

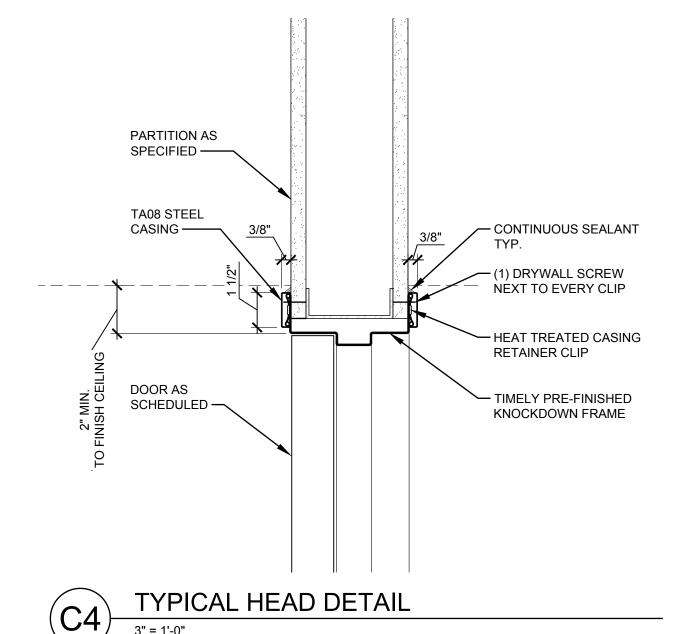
SCALE:

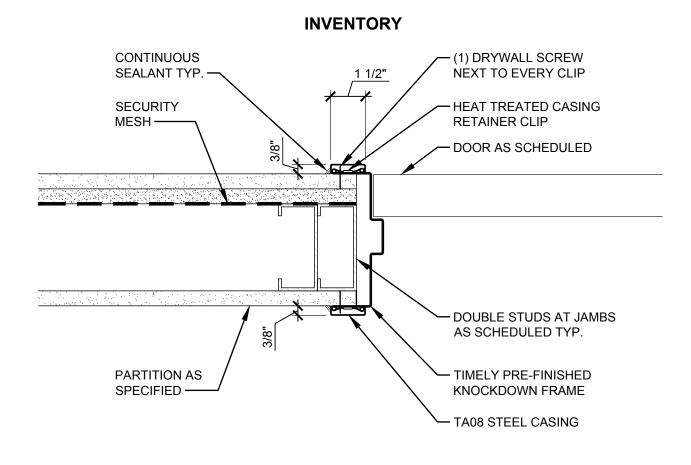
SHEET:

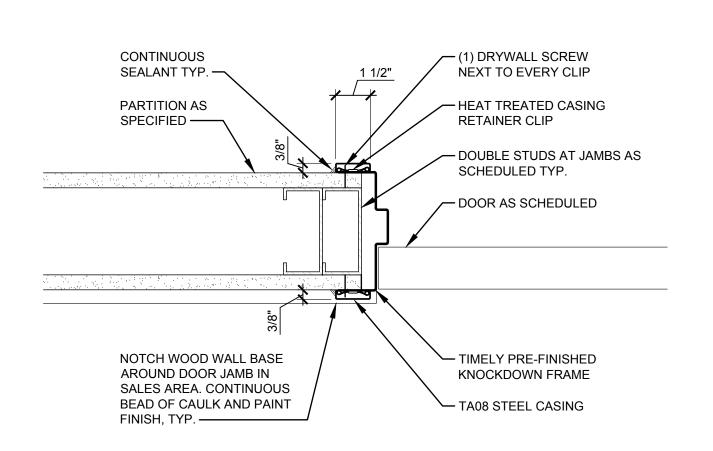
DRAWN BY:

PROJECT No.:













T -- Mobile
12920 SE 38th STREET
BELLEVUE, WA 98006

www.t-mobile.com

Firm's License #

State License #

DESCRIPTION DATE

1 BUILDING DEPARTMENT 7/26/17

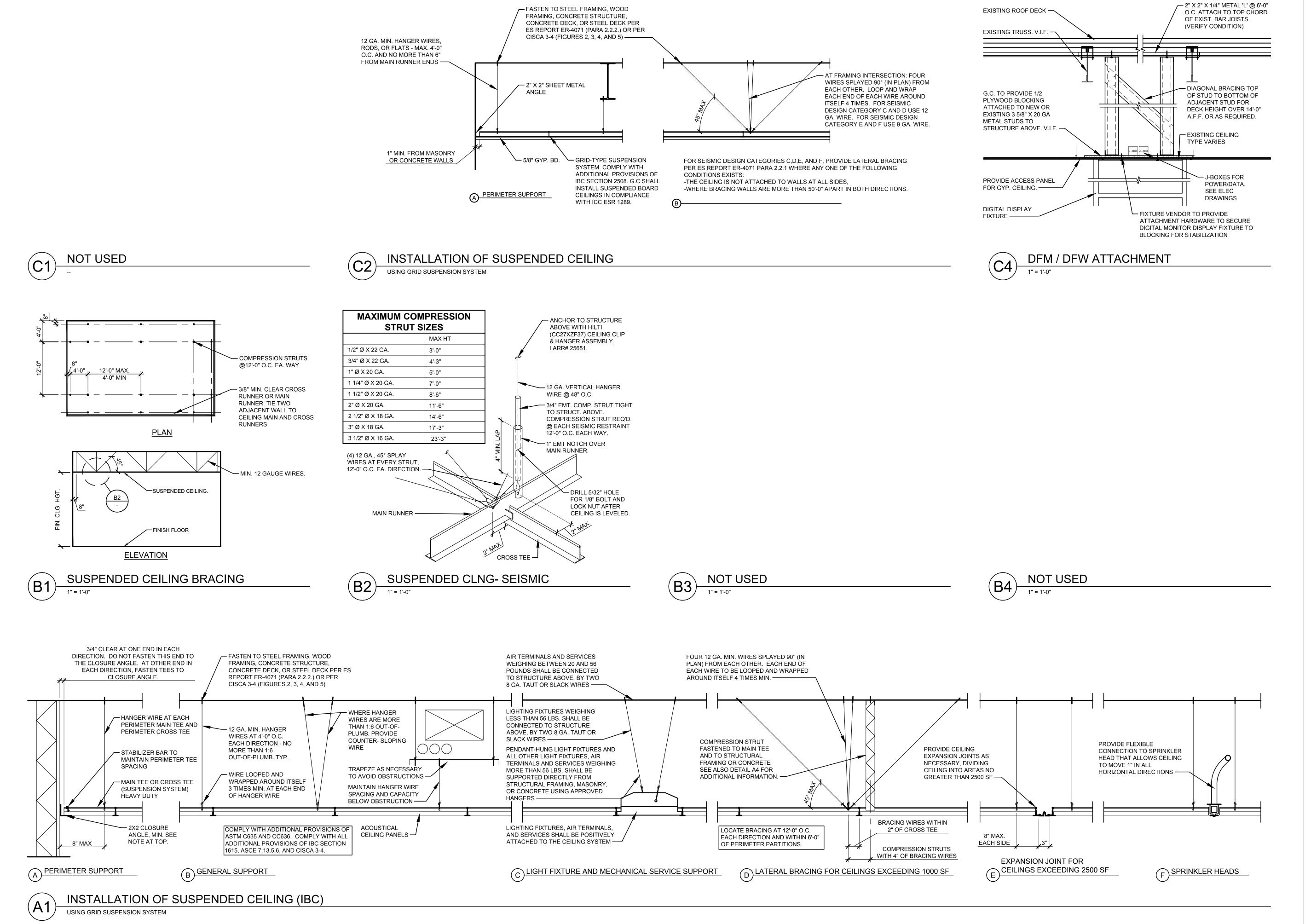
US HWY 50 & CLUB MANOR DR 908 W US HWY 50 PUEBLO, CO 81008

DOOR DETAILS

corporate - relo

DESIGN DEVELOPMENT

DATE: 12/19/2017
SCALE:
DRAWN BY:
PROJECT No.: TMO364
SHEET:



T··Mobile·

12920 SE 38th STREET BELLEVUE, WA 98006 www.t-mobile.com

Firm's License #

State License #

DESCRIPTION DATE

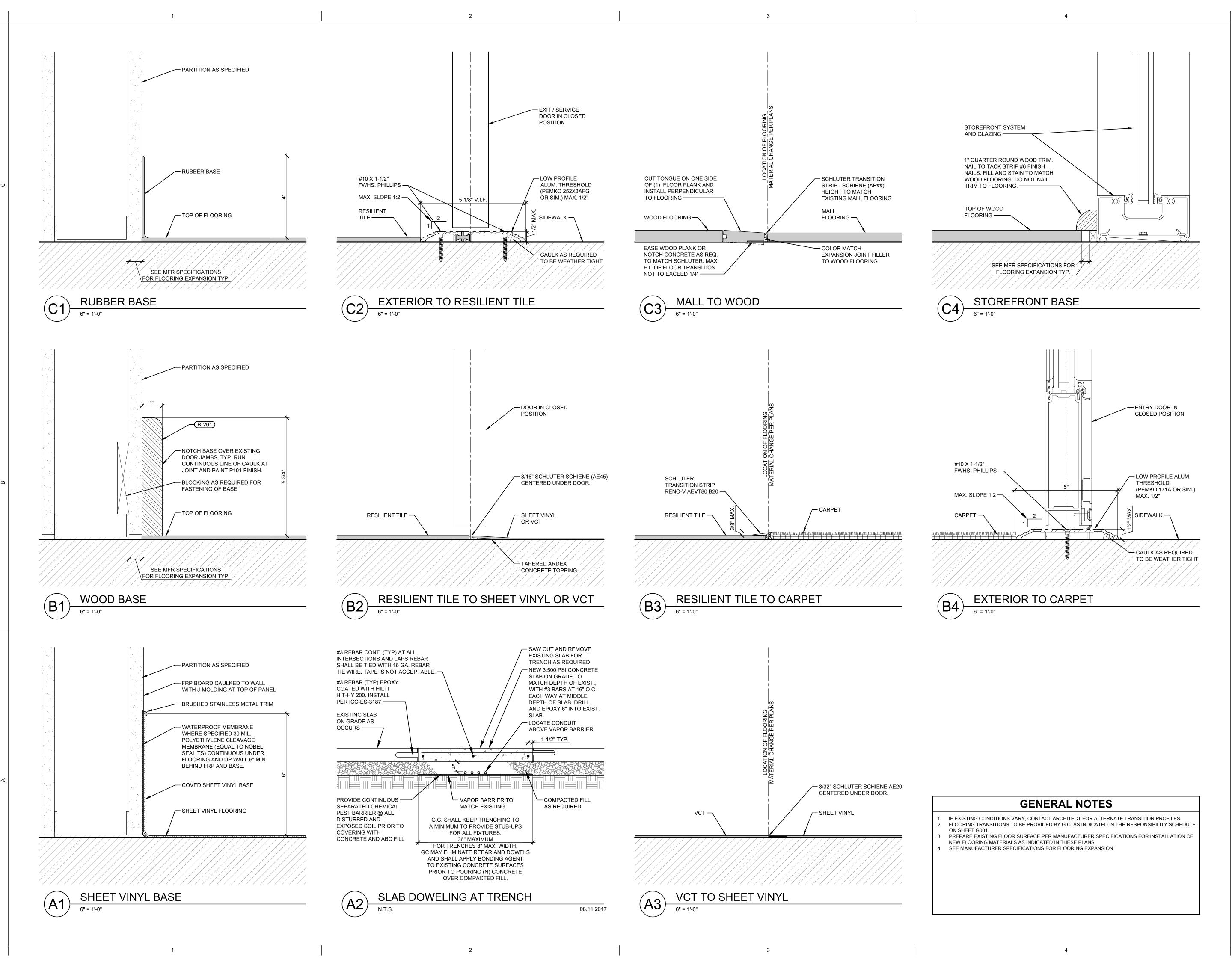
1 BUILDING DEPARTMENT 7/26/17

US HWY 50 & CLUB MANOR D 908 W US HWY 50 PUEBLO, CO 81008

corporate - Relo

DESIGN DEVELOPMENT

DATE: 12/19/2017
SCALE:
DRAWN BY:
PROJECT No.: TMO364
SHEET:



T·-Mobile

12920 SE 38th STREET BELLEVUE, WA 98006 www.t-mobile.com

Firm's License #

State License #

DESCRIPTION DATE

1 BUILDING DEPARTMENT 7/26/17

O 81008

S AND BASE DETAI

MANOR

US HWY 50 & CLUB 908 W US HWY 50

PUEBLO, CO 81008

DESIGN DEVELOPMENT

DATE: 12/19/2017

SCALE:

DRAWN BY:

PROJECT No.: TMO364

SHEET:

FIXTURE SCHEDULE							
TAG	DESCRIPTION	CONDITION	QUANTITY	SOURCEDBY	FURNISHEDBY	INSTALLEDBY	
FF203	FEATURE TABLE 6' - STUB UP	NEW	2	TRIAD, FLEETWOOD, PREMIER, SYNSOR	T-MOBILE	T-MOBILE	
FF301	DIGITAL FRONT WINDOW - 6"	NEW	2	TRIAD, FLEETWOOD, PREMIER, SYNSOR	T-MOBILE	T-MOBILE	
FF403	ROUND CONSULTATION TABLE	NEW	1	TRIAD, FLEETWOOD, PREMIER, SYNSOR	T-MOBILE	T-MOBILE	
FW502	2-SIDED 24"X36" STANCHION SIGN	NEW	1	TRIAD, FLEETWOOD, PREMIER, SYNSOR	T-MOBILE	T-MOBILE	
FF601	B1 - BENCH O PRIMARY 4' W/INSET	NEW	1	TRIAD, FLEETWOOD, PREMIER, SYNSOR	T-MOBILE	T-MOBILE	
FF602	B2 - BENCH - SECONDARY 4'	NEW	1	TRIAD, FLEETWOOD, PREMIER, SYNSOR	T-MOBILE	T-MOBILE	
FF603	STOOL 38"	NEW	5	BAUHAUS	T-MOBILE	T-MOBILE	
FF604	STOOL 32"	NEW	3	BAUHAUS	T-MOBILE	T-MOBILE	
FF902	BADGE	NEW	4		T-MOBILE	T-MOBILE	
FW101	DISPLAY WALL - OEM	NEW	2	TRIAD, FLEETWOOD, PREMIER, SYNSOR	T-MOBILE	T-MOBILE	
FW102	DISPLAY WALL - (4) 200X200 BOXES	NEW	6	TRIAD, FLEETWOOD, PREMIER, SYNSOR	T-MOBILE	T-MOBILE	
FW103	DISPLAY WALL - (8) 200X200 BOXES	NEW	1	TRIAD, FLEETWOOD, PREMIER, SYNSOR	T-MOBILE	T-MOBILE	
FW201	ACCESSORY PANEL W/USB	NEW	8	TRIAD, FLEETWOOD, PREMIER, SYNSOR	T-MOBILE	T-MOBILE	
FW301	SYSTEM WALL PANEL - FULL	NEW	22	TRIAD, FLEETWOOD, PREMIER, SYNSOR	T-MOBILE	T-MOBILE	
FW302	SYSTEM WALL PANEL - HALF	NEW	1	TRIAD, FLEETWOOD, PREMIER, SYNSOR	T-MOBILE	T-MOBILE	
FW401	DIGITAL MONITOR DISPLAY	NEW	1	TRIAD, FLEETWOOD, PREMIER, SYNSOR	T-MOBILE	T-MOBILE	
FW403	BRAND FOCAL MONITOR_MONITOR ONLY (NO SHROUD)	NEW	1	TRIAD, FLEETWOOD, PREMIER, SYNSOR	T-MOBILE	T-MOBILE	
FW503	WALL GRAPHIC, 112X58	NEW	1	TRIAD, FLEETWOOD, PREMIER, SYNSOR	T-MOBILE	T-MOBILE	

	FURNITURE AND EQUIPMENT SCHEDULE									
TAG	DESCRIPTION	CONDITION	QUANTITY	MANUFACTURER	SOURCEDBY	PRODUCT_NO	FURNISHEDBY	INSTALLEDBY		
EG100	REFRIGERATOR	NEW	1	AVANTI	STAPLES	792263	T-MOBILE	T-MOBILE		
EG101	MICROWAVE	NEW	1	AVANTI	STAPLES	792264	T-MOBILE	T-MOBILE		
ES104	FIRE KINGINVENTORY SAFE	NEW	1	FIRE KING	FIRE KING	B7248D2-SRTD10	T-MOBILE	T-MOBILE		
ES105	CASH SAFE	NEW	1	FIRE KING	FIRE KING	MB3020E66SR2	T-MOBILE	T-MOBILE		
ET102	XREX MULTI FUNCTION PRINTER	NEW	1	XEROX	XEROX		T-MOBILE	T-MOBILE		
ET103	XEROX COLOR QUBE	NEW	1	XREOX	XEROX		T-MOBILE	T-MOBILE		
FG101	TABLE - 42" DIA	NEW	1	REGENCY	STAPLES	CASPER CS5BS	T-MOBILE	T-MOBILE		
FG103	MANAGERS DESK	NEW	1	HON	STAPLES	902294	T-MOBILE	T-MOBILE		
FG201	BREAK TABLE CHAIR	NEW	4		STAPLES	1049358	T-MOBILE	T-MOBILE		
FG203	MANAGERS CHAIR	NEW	2	TURCOTTE LUXURA	STAPLES	934103	T-MOBILE	T-MOBILE		
FG205	BOH TRAINING CART	NEW	1	TIFFANY INDUSTRIES	STAPLES	463879	T-MOBILE	T-MOBILE		
FG302	FILE CABINET	NEW	1	STAPLES	STAPLES	780402	T-MOBILE	T-MOBILE		
FG304	SHELVING UNITS	NEW	4	VARIES	VARIES		T-MOBILE	T-MOBILE		
FG305	LOCKERS	NEW	3	LOCKUP	DIGILOCK	ELECTRONIC LOCKERS	T-MOBILE	T-MOBILE		
FG500	WHITE BOARD	NEW	1	QUARTET	WORKING SPACES	518928	T-MOBILE	T-MOBILE		
EG103	MOP SINK	NEW	1				G.C.	G.C.		

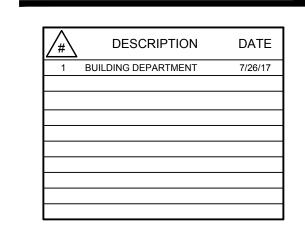
	GRAPHIC SCHEDULE						
TAG	DESCRIPTION	QUANTITY					
D13	BRAND FOCAL CONTENT	1					
D34	DIGITAL SIGNAGE - PRIMARY COMBO	1					
D35	DIGITAL FRONT WINDOW - PRIMARY	1					
D36	DIGITAL FRONT WINDOW - SECONDARY	1					
MAC3_10	ACCESSORY PANEL W/USB - ZONE 10	1					
MAC3_11	ACCESSORY PANEL W/USB - ZONE 11	3					
MAC3_6	ACCESSORY PANEL W/USB - ZONE 6	1					
MAC3_7	ACCESSORY PANEL W/USB - ZONE 7	1					
MAC3_8	ACCESSORY PANEL W/USB - ZONE 8	1					
MAC3_9	ACCESSORY PANEL W/USB - ZONE 9	1					
MDFM	DIGITAL FRONT WINDOW — 6"	2					
MDS	DIGITAL MONITOR	1					
MDWJ	DISPLAY WALL J	1					
MDWK	DISPLAY WALL K	1					
MDWL	DISPLAY WALL L	1					
MDWM	DISPLAY WALL M	1					
MDWN	DISPLAY WALL N	1					
MDWP	DISPLAY WALL P	1					
MDWR	DISPLAY WALL R	1					
MWG3	WALL GRAPHIC, LARGE	1					

T··Mobile·

12920 SE 38th STREET BELLEVUE, WA 98006 www.t-mobile.com

Firm's License #

State License #



US HWY 50 & CLUB MANOR DR 908 W US HWY 50 PUEBLO, CO 81008 FIXTURE, FURNITURE, EQUIPMENT AND GRAPHIC SCHEDULES

corporate - relo

DESIGN DEVELOPMENT

12/19/2017
TMO364

TAG	DESCRIPTION	MANUFACTURER	PRODUCT	STYLE	COLOR	SIZE	FLAME SPREAD / SMOKE DEVELOPMENT	FURNISHED BY	INSTALLED BY	NOTES
F101	WOOD FLOORING - SALES AREA	KAHRS HARDWOOD	KAH 3011116681640401	MATTE FINISH	SMOKE OAK	7.4"W X 89.21"L PLANK, 9/16" THICK	CLASS C	T-MOBILE	G.C.	INSTALLATION: OVER VERSASHIELD. 3669 SF PER CARTON
F201	LUXURY VINYL TILE FLOORING - SALES AREA AND TRAINING ROOM	ADORE	NATURELLE	DW-1925	-	7.2" X 4.8", 3MM GAUGE	-	T-MOBILE	G.C.	WOOD EMBOSSING WITH 12MIL WEAR LAYER
F202	VCT FLOORING - BACK OF HOUSE	ARMSTRONG	-	IMPERIAL TEXTURE	STERLING 51904	12" X 12" X 1/8"	CLASS A	G.C.	G.C.	INSTALLATION: GLUE DOWN WITH MOHAWK ENPRESS ADHESIVE. MONOLITHIC
F203	SHEET VINYL FLOORING - TOILET ROOM	ARMSTRONG	-	CONNECTION CORLON	ANTHRACITE 88700	-	CLASS A	G.C.	G.C.	
F204	RESILIENT FLOORING - SALES AREA	MOHAWK GROUP	HOT AND HEAVY	SECOYA (C0009)	872 PICTON PARK	9"W X 59"L PLANK, 5MM THICK	CLASS A	T-MOBILE	G.C.	INSTALLATION: LOOSE LAY WITH PERIMETER GLUE. PREFINISHED, NO WAXING O SEALING REQUIRED. 20 MIL WEARLAYER
F205	VCT FLOORING - HALLWAY, BACK OF HOUSE, TELECOM ROOM, INVENTORY	ARMSTRONG	-	IMPERIAL TEXTURE	CHARCOAL 51915	12" X 12" X 1/8"	CLASS A	T-MOBILE	G.C.	INSTALLATION: GLUE DOWN WITH MOHAWK ENPRESS ADHESIVE. MONOLITHIC
F302	TILE FLOORING - SALES AREA	DALTILE	COLORBODY PORECELAIN	INDUSTRIAL PARK	CHARCOAL GRAY IP09	24" X 24"	-	T-MOBILE	G.C.	GROUT: MAIPEI - 47 CHARCOAL. NO SUBSTITUTIONS
F303	TILE FLOORING - SALES AREA	DALTILE	TRAVERK	M7WZ	WENGE	8" X 48"	-	T-MOBILE	G.C.	GROUT: MAIPEI - 07 CHOCOLATE. NO SUBSTITUTIONS
F304	TILE FLOORING - SALES AREA	DALTILE	VOLUME 1.0	VL70	AMPLIFY BLACK	12" X 12"	-	T-MOBILE	G.C.	GROUT: MAIPEI - 47 CHARCOAL. NO SUBSTITUTIONS
F401	CARPET FLOORING - DISTRICT MANAGER OFFICE	MOHAWK (BIGELOW)	RECKLESS	BT353 / QB353	LEATHER JACKET 999	24"X24"	-	T-MOBILE	G.C.	COLOSTRAND SD NYLON FIBER TYPE, TUFTED CONSTRUCTION, SOLUTION YED, SENTRY PLUS PROTECTIVE TREATMENT
F402	CARPET FLOORING - OFFICE, CONFERENCE, TRAINING ROOM	SHAW	MATERIAL MATTERS	5T039	SMOKE 37557	24"X24"	CLASS A	T-MOBILE	G.C.	PATTERN: WANDER TILE 5T039
F403	WALK-OFF MAT - SALES AREA	MOHAWK GROUP	STEP UP II GT311	MODULAR	OBSIDIAN 989	24"X24"	CLASS 1	T-MOBILE	G.C.	INSTALLATION: GLUE DOWN WITH MOHAWK ENPRESS ADHESIVE. MONOLITHIC.
F404	WALK-OFF MAT - VESTIBULES	MATS INC.	-	SUPREME NOP ROLL	BLACK WALNUT 983	FOOT GRILLE	CLASS A	T-MOBILE	G.C.	INSTALLATION: GLUE DOWN WITH MI MULTI-BOND ADHESIVE CHAPCO SAFE-SE
F405	WALK-OFF MAT - OTHER ENTRANCES	MATS INC.	-	LEGACY NOP	BLACK WALNUT 983	FOOT GRILLE	CLASS A	T-MOBILE	G.C.	INSTALLATION: GLUE DOWN WITH MI MULTI-BOND ADHESIVE CHAPCO SAFE-SE

PAINT WALLCOVERING	AND WINDOW FINISH SCHEDULE
PAINI, WALLOUVLINING,	AND WINDOW I INISH SCHEDULE

				<u></u>				
TAG	DESCRIPTION	MANUFACTURER	COLOR	FINISH	FLAME SPREAD / SMOKE DEVELOPMENT	FURNISHED BY	INSTALLED BY	NOTES
P101	PAINT - INTERIOR FIELD COLOR	BENJAMIN MOORE & COMPANY	WHITE DIAMOND OC-61"S	WALLS: EGGSHELL CEILING: FLAT DOOR AND FRAMES: DTM LATEX SEMI-GLOSS	CLASS A	G.C.	G.C.	
P102	PAINT - TRAINING ROOM ACCENT WALL	MATTHEWS PAINT	EMPIRE PINK OVER MP55898, WHITE BASE COAT	SATIN	CLASS A	G.C.	G.C.	MP86055 R149037 N SATIN V 1.0
P103	PAINT - TRAINING ROOM ACCENT WALL	BENJAMIN MOORE & COMPANY	PEONY 2079-30	WALLS: EGGSHELL	CLASS A	G.C.	G.C.	
P104	PAINT - TOILET ROOM	BENJAMIN MOORE & COMPANY	INTENSE WHITE OC-51	SEMI-GLOSS	CLASS A	G.C.	G.C.	
P201	PAINT - EXTERIOR	BENJAMIN MOORE & COMPANY	1458 SILVER BELLS	LOW LUSTRE	CLASS A	G.C.	G.C.	
P202	PAINT - EXTERIOR - TRIM COLOR	BENJAMIN MOORE & COMPANY	PAPER DOLL CP-485	SEMI-GLOSS	CLASS A	G.C.	G.C.	
W101	PANELS - WET AREA SURROUND	MARLITE	S 100G WHITE	STANDARD FRP - SMOOTH SURFACE	CLASS C	G.C.	G.C.	
W102	PANELS - TOILET ROOM SURROUND	MARLITE	S 490N LIGHT GREY	STANDARD FRP - SMOOTH SURFACE	CLASS C	G.C.	G.C.	
W201	CORNER GUARD - SALES AREA	WALLGUARD	WHITE	DEFENDER SERIES 2325.1	-	G.C.	G.C.	INSTALLATION: MANUFACTURER RECOMMENDED ADHESIVE. MOUNTED ABOVE WALL BASE. 90° 1-1/2" CORNER GUARD, 4' LENGTH
W202	CORNER GUARD - HALLWAY, RESTROOM, BACK OF HOUSE, TRAINING ROOM	WALLGUARD	ALUMINUM	DEFENDER SERIES 2340	-	G.C.	G.C.	NSTALLATION: MANUFACTURER RECOMMENDED ADHESIVE. MOUNTED ABOVE WALL BASE. 90° 2" CORNER GUARD, 4' LENGTH
W301	SECURITY FILM - CLEAR	LLMUAR	SCL SR PS7	.77" FILM THICKNESS		G.C.	G.C.	TENSILE STRENGTH = 31050 PSI
W302	WINDOW FILM - OPAQUE	AVERY	OPAQUE PANTONE WHITE	SERIES A9, TYPE A9001-O				APPLIED TO INTERIOR SIDE FOR GLAZING
W303	WINDOW FILM - CLEAR	MADICO	CLEAR	6 MIL, 1500 GRAFFITI FREE				TENSILE STRENGTH 32,000 PSI. BREAK STRENGTH 450 POUNDS PER INCH
W304	WINDOW FILM - CLEAR	MADICO	CLEAR	.004" THICK, CL-400-XSR				TENSILE STRENGTH 25,000 PSI

TRIM FINISH SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR	SIZE	FLAME SPREAD / SMOKE DEVELOPMENT	FURNISHED BY	INSTALLED BY	NOTES
B101	RUBBER BASE - BACK OF HOUSE, HALLWAYS, MARKET LEARNING CENTER	ROPPE	TP 7P193 TPR RUBBER BASE	BLACK-BROWN P193	1/8" THICK, HEIGHT: 4" STD. TOE 120' CONTINUOUS ROLLS	CLASS A	G.C.	G.C.	DO NOT ORDER 4' PIECES
B201	WOOD BASE - SALES AREA	PROVIDED BY FIXTURE MANUFACTURER	WOOD BASE WITH RADIUS EDGE	PAINTED P101	5 3/4" X 1"	CLASS C	T-MOBILE	G.C.	SEE A1/A571.
B301	TILE COVE BASE - TOILET ROOM	DALTILE	PORCELAIN HAUT MONDE S-36C9T	AMPLIFY BLACK	6" X 12"		G.C.	G.C.	

TAG	DESCRIPTION	MANUFACTURER	PRODUCT	STYLE	COLOR	SIZE	FLAME SPREAD / SMOKE DEVELOPMENT	FURNISHED BY	INSTALLED BY	NOTES
C101	LAY-IN ACOUSTICAL CEILING SYSTEM - SALES AREA, HALLWAY, BACK OF HOUSE	ARMSTRONG	FINE FISSURED SECOND LOOK 1761C	FINE FISSURED SECOND LOOK	WHITE	24" X 48" TEGULAR EDGE	CLASS A	G.C.	G.C.	ARMSTRONG PRELUDE XL 15/16" TEE GRID.
C102	ACOUSTICAL CEILING SYSTEM - BACK OF HOUSE - REMODEL ONLY	ARMSTRONG	ARMATUFF 860	SQUARE LAY-IN	-	24" X 48"	CLASS A	G.C.	G.C.	16/16" TEE GRID.
C103	LAY-IN ACOUSTICAL CEILING SYSTEM - SALES AREA	ARMSTRONG	MESA 681	-	WHITE	24" X 24" ANGLED TEGULAR EDGE, 3/4" THICK	CLASS A	G.C.	G.C.	ARMSTRONG PRELUDE XL 15/16" TEE GRID.
C104	CEILING TILE FOR SMOKE EVACUATION - SALES AREA	ARMSTRONG	METALWORKS MESH	WELDED WIRE 1CELL #6415AM	WHITE	24" X 24"	CLASS A	G.C.	G.C.	
GYP	GYPSUM BOARD CEILING - PAINTED									SEE SPECIFICATION SECTION 092900

T - Mobile

12920 SE 38th STREET BELLEVUE, WA 98006 www.t-mobile.com

Firm's License #

State License #

DESCRIPTION DATE

1 BUILDING DEPARTMENT 7/26/17

HWY 50 & CLUB MANOF 3 W US HWY 50

corporate - relo

DESIGN DEVELOPMENT

DATE: 12/19/2017

SCALE:

DRAWN BY:

PROJECT No.: TMO364

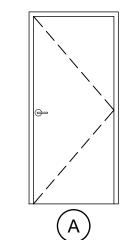
SHEET:

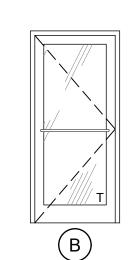
DOOR SCHEDULE

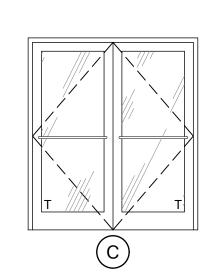
			DOOR			FRAME DETAILS			FIRE					
DOOR#	DESCRIPTION	SIZE	TYPE MATERIAL	FINISH	MATERIAL	FINISH	SILL	JAMB	HEAD	RATING	HARDWARE	FURNISHED BY	INSTALLED BY	NOTES
1	EXTERIOR ENTRY (EXISTING TO REMAIN)	(PAIR) 3'-0" X 7'-0" X 1 3/4" V.I.F.	C ALUMINUM / GLASS	MFR	ALUMINUM	MFR	A571	-	-	-	A1, A2, A3, A4, A5, C1, G3, L1	G.C.	G.C.	1, 2, 3, 4, 5, 6, 29, 30, 32
2	ENTRY VESTIBULE (EXISTING TO REMAIN)	(PAIR) 3'-0" X 7'-0" X 1 3/4" V.I.F.	C ALUMINUM / GLASS	MFR	ALUMINUM	MFR	A571	-	-	-	A1, A2, A3, A4, A5, C1, G3, L1	G.C.	G.C.	1, 2, 3, 4, 5, 6, 29, 30, 32
3	REAR/SERVICE (EXISTING TO REMAIN)	3'-0" X 7'-0" X 1 3/4" V.I.F.	A METAL	P101/ MFR	METAL	P101 / MFR	-	-	-	-	A6, C2, E1, H1	G.C.	G.C.	5, 6, 7, 8, 9, 10, 32
4	BACK OF HOUSE	3'-0" X 7'-0" X 1 3/4"	A HOLLOW METAL	P101	HOLLOW METAL	P101	A571	B4/A541	C4/A541	-	A8, A9, C3, E3, G1, H1,	G.C.	G.C.	7, 21
5	INVENTORY ROOM	3'-0" X 7'-0" X 1 3/4"	A HOLLOW METAL 16 GAUGE	MFR	HOLLOW METAL 16 GAUGE	MFR	-	B3/A541	C3/A541	-	A8, A9, C3, E2, G1, H1, H2, L5	G.C.	G.C.	10, 15, 16, 17, 18, 19
6	TOILET ROOM(S)	3'-0" X 7'-0" X 1 3/4"	A HOLLOW METAL	P101	HOLLOW METAL	P101	A571	B4/A541	C4/A541	-	A8, A9, C3, G2, H1, L6	G.C.	G.C.	7, 20, 33
7	SECURITY SHUTTERS	V.I.F.	D CLEAR ANODIZED	-		-	-	-	-	-	L2, L3	G.C.	G.C.	11, 12, 13, 31

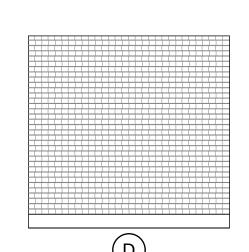
DOOR HARDWARE LEGEND

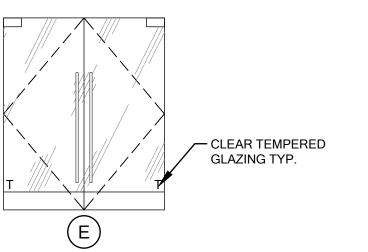
	ACCES	SORIES	CLOSERS	ELECTRONIC HARDWARE	GASKETS	HINGES	LOCKSET
A1	PUSH/PULL BARS - ROCKWOOD BF 15847-1	A9 IVES 10 X 34 8400 KICK PLATE	C1 LCN 6030	E1 SECURITECH TEL-210S*	G1 IVES FS436 DOORSTOP	H1 MCKINNEY TA2714 NRP 4.5 X 4.5 HINGE	L1 BEST CYLINDER LOCK
A2	INTERMEDIATE PIVOT - RIXSON #M19 - OFFSET	A10 IVES #20 SILENCERS	C2 LCN 5010	E2 SECURITECH 4850-TTBG-37 5-POINT LOCK	G2 IVES WS406 CCV DOORSTOP	H2 HAGER 253** 4 1/2" WIDE PIVOT HINGE	L2 QMI CYLINDER SILVER SHUTTER CURTAIN - LOCK OUTSIDE
A3	TOP PIVOT - RIXSON #180 - OFFSET	A11 TOP PIVOT - RIXSON 340	C3 LCN 4000 SERIES	E3 TRILOGY DL2700IC-26D	G3 DOOR SWEEP	H3 HAGER BB1191 NRP HINGE (SIZE? IS 4.5 X 4.5?	L3 QMI CYLINDER SILVER SHUTTER CURTAIN - LOCK INSIDE-OUTSIDE
A4	BOTTOM PIVOT - RIXSON #147 - OFFSET	A12 CENTER HUNG PIVOT SET - RIXSON 370	C4	E4 SECURITECH DETEX V40-EB-HD-AL-REW-IC7-99	G4	H4 BOTTOM PIVOT - RIXSON #147 - OFFSET	L4 FALCON ND10S RHODES PASSAGE LATCH SET
A5	NATIONAL GUARD US32D, US28, US15 FINISH THRESHOLD	A13 IVES U696 PEEP HOLE	C5	E5	G5	H5	L5 FALCON T561 AVALON CLASSROOM LOCKSET
A6	NATIONAL GUARD MILL FINISH THRESHOLD	L6 FALCON T301 AVALON PRIVACY LATCH SET	C6	E6	G6	Н6	L6 FALCON T301 AVALON PRIVACY LATCH SET
A7	NATIONAL GUARD CRL8010ADJ THRESHOLD	L7 SCHLAGE D70PD RHODES OFFICE LOCKSET	C7	E7	G7	H7	L7 SCHLAGE D70PD RHODES OFFICE LOCKSET
A8	IVES SR-64 SILENCERS	L8	C8	E8	G8	Н8	L8

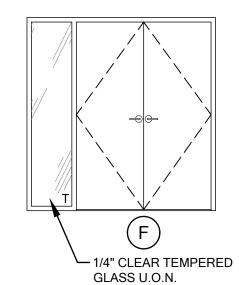


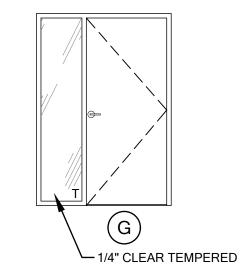






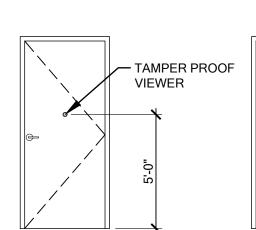


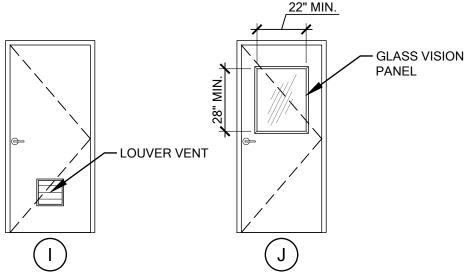




GLASS U.O.N.









DOOR NOTES LEGEND

- SIGNAGE BY G.C.; PROVIDE SIGNAGE ABOVE DOOR(S), SEE SHEET A502.
- POSTAL ADDRESS NUMBERS PER LANDLORD REQUIREMENTS. ADA PANIC HARDWARE TO BE INSTALLED ON INSIDE WHEN REQUIRED BY LOCAL JURISDICTION. LOCKS SHALL BE KEY-OPERATED WITH INDICATOR TO BE READILY DISTINGUISHABLE AS LOCKED.
- WEATHER STRIPPING AND SWEEPS TO BE INSTALLED AS REQUIRED.
- . EXISTING DOOR VERIFY EXISTING HARDWARE MEETS REQUIREMENTS OF, OR IS EQUAL TO SPECIFIED HARDWARE. REPLACE WITH SPECIFIED HARDWARE AS REQUIRED.
- KICK PLATE TO BE PROVIDED ON PUSH SIDE
- 8. VERIFY ALL EXISTING DOOR HARDWARE TO COMPLY WITH CURRENT CODE.
- HARDWARE PURCHASED AND INSTALLED BY G.C., DOOR PREP BY G.C.. 10. PROVIDE NON REMOVABLE PINS (NRP), PIANO TYPE HINGE OR GEARED HINGE (ROTON) AS APPROVED
- 1. ROLL DOWN SHUTTER SHALL BE OPERABLE FROM INSIDE WITHOUT THE USE OF A KEY OR SPECIAL
- KNOWLEDGE OR EFFORT WHILE THE SPACE IS OCCUPIED. 12. SHUTTER SHALL REMAIN SECURED IN THE FULL OPEN POSITION DURING THE PERIOD OF OCCUPANCY
- BY THE GENERAL PUBLIC. 13. MAX SHUTTER SIZE: 160 SF OR 150" HIGH.
- 14. PROVIDE RISER AS REQUIRED FOR CARPET INSTALLATION.
- 15. PROVIDE LATCH GUARD USE "BG" GUARD PLATE.
- 17. VERTICALLY STIFFED HOLLOW METAL DOOR RECOMMENDED FOR SECURITY AND EAST OF INSTALLATION.
- 18. LOCK HARDWARE PURCHASED AND INSTALLED BY G.C. THROUGH APPROVED VENDOR, SECURITY
- 19. MOUNT AT UPPER CORNER OF DOOR AND JAMB. 20. PROVIDE APPROPRIATE RESTROOM SIGNAGE, SEE SHEET A502.
- 21. LOCK HARDWARE PURCHASED AND INSTALLED BY SECURITY SOURCE (VENDOR), DOOR PREP BY G.C..
- 22. ORDER 6" BOTTOM BAR WITH 60° BEVEL (ALTERNATE OPTION: 10" BOTTOM BAR), 7-PIN KEYED
- CYLINDERS (CONSTRUCTION CORES) WITH THUMBTURNS ON INSIDE, AND PATCH HINGES WITH DOOR. 23. PROVIDE LOUVRE VENT IN DOOR U.O.N. SEE MECHANICAL SHEETS.
- 24. G.C. TO PAINT 4 INCH "NO STORAGE" ON DOOR. 25. PROVIDE IC-7PIN MORTISE HOUSING AND INSTAKEY CORE.
- 26. TAMPER-PROOF PEEP HOLE AS REQUIRED WIDE ANGLE SET AT 60" A.F.F. UL LISTED FOR 90 MINUTE FIRE DOOR. NO PEEP HOLES ON EXTERIOR DOORS.
- 27. SELF-LATCHING LOCK HARDWARE PURCHASED AND INSTALLED THROUGH SECURITY SOURCE (VENDOR) BY G.C.. DOOR PREP BY G.C..
- 28. SUPPLY COMPLETE EXIT DEVICE PART NUMBER BASED ON DOOR SIZE AS REQUIRED. 36" DOOR = 36, NARROW STILE = NS, DOUBLE DOOR = 94. FOR NARROW STILE, ADD NARROW STILE KIT #101879-1.
- 30. PROVIDE ADDITIONAL INTERMEDIATE PIVOT FOR DOORS 8'-0" AND TALLER.
 31. SECURITY GRILLES SHALL BE INSTALLED ON NOT MORE THAN 50% OF REQUIRED EXIT DOORS. 32. VERIFY WITH THE PROJECT MANAGER THAT EXISTING DOORS AND HARDWARE MEET
- T-MOBILEREQUIREMENTS AND SPECIFICATIONS. REPLACE WHEN DIRECTED BY THE PROJECT
- 33. UNDERCUT TOILET ROOM(S) DOOR(S) 1 INCH PER MECHANICAL REQUIREMENTS

GENERAL NOTES

- HARDWARE FINISHES SHALL BE SATIN CHROME 626 UNLESS NOTED OTHERWISE. ALL LOCKSETS AND LATCH SETS SHALL BE LEVER HANDLES
- VERIFY ALL EXISTING DOOR HARDWARE TO COMPLY WITH CURRENT CODE. SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. VERIFY EXISTING DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ARE INSTALLED BETWEEN 34" -
- G.C. TO PURCHASE AND INSTALL CORES PER HARDWARE SCHEDULE FROM T-MOBILE'S VENDOR AT
- TIME OF STORE TURNOVER. AT EXISTING DOORS TO REMAIN, VERIFY THAT EXISTING DOOR AND HARDWARE MEETS OR EXCEEDS
- THE REQUIREMENTS OF THESE SPECIFICATIONS. REPLACE AS REQUIRED. DOORS WITH CLOSERS SHALL COMPLY WITH THE FOLLOWING:
- 1. 5LBF MAXIMUM FORCE FOR OPENING DOOR 2. FROM AN OPEN POSITION OF 70°, DOOR SHALL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
- DOORS/FRAMES SHALL BE "TIMELY" (OR EQUAL) FACTORY FINISH TO MATCH P101. LEVER SETS TO BE FALCON GRADE 1 WITH INTERCHANGEABLE CORES. T-SERIES OR APPROVED
- EQUAL LEVER TO BE AVALON STYLE. SECURITECH TRIDENT EXIT DEVICES SUPPLIED BY LP NETWORK INC., DBA SECURITY SOURCE (888)
- EXIT DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE, WITHOUT THE USE OF A KEY OR
- SPECIAL KNOWLEDGE OR EFFORT. THE UNLATCHING OF ANY EXIT DOOR SHALL NOT REQUIRE MORE THAN ONE OPERATION. INSTALL ALL PANIC HARDWARE PER PLANS. SECURITY GRILLES SHALL BE INSTALLED ON NOT MORE THAN 50% OF REQUIRED EXIT DOORS.
- VERIFY WITH THE PROJECT MANAGER THAT EXISTING DOORS AND HARDWARE MEET T-MOBILE REQUIREMENTS AND SPECIFICATIONS. REPLACE WHEN DIRECTED BY THE PROJECT MANAGER.

BELLEVUE, WA 98006 www.t-mobile.com

Firm's License #

State License #

DESCRIPTION BUILDING DEPARTMENT

corporate - relo

US 1 908

DESIGN DEVELOPMENT

DATE: 12/19/2017 DRAWN BY: PROJECT No .: TMO364

DIVISION 0 - CONTRACT REQUIREMENTS

007200 GENERAL CONDITIONS

A. UNLESS OTHERWISE AGREED UPON BY CONTRACTOR AND T-MOBILE, IN PART OR IN WHOLE, THE "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION," AIA DOCUMENT A201, 1997 EDITION, SHALL GOVERN THE WORK.

DIVISION 1 - GENERAL REQUIREMENTS

REQUIREMENTS OF PUBLIC AUTHORITIES WHICH GOVERN THE PERFORMANCE OF THE

011000 SUMMARY

A. THIS SPECIFICATION IDENTIFIES REQUIREMENTS FOR SEVERAL PROJECTS, AND MAY CONTAIN ELEMENTS WHICH DO NOT APPLY TO THIS PARTICULAR PROJECT. REFER TO THE DRAWINGS TO DETERMINE WHETHER THE SPECIFIED ELEMENT APPLIES TO THIS PROJECT. B. COMPLY WITH CODES, ORDINANCES, RULES, REGULATION, ORDERS AND OTHER LEGAL

WORK DEFINITIONS:

- LANDLORD: MALL DEVELOPER OR BUILDING OWNER.
- T-MOBILE: T-MOBILE OR T-MOBILES REPRESENTATIVE (JLL), TENANT. USE OF PREMISES: COORDINATE WITH T-MOBILE
- SPECIAL WORK REQUIREMENTS (INCLUDING ALLOWABLE TIMES FOR WORK): COORDINATE WITH T-MOBILE.
- WORK PERFORMED BY T-MOBILE UNDER SEPARATE CONTRACTS (FOIO): COORDINATE WITH T-MOBILE.
- T-MOBILE FURNISHED CONTRACTOR INSTALLED (FOIC) ITEMS: COORDINATE WITH T-MOBILE
- APPLICATIONS FOR PAYMENT: COORDINATE WITH T-MOBILE.
- REQUESTS FOR INTERPRETATION (RFIS): RFIS SHALL BE SUBMITTED TO T-MOBILE'S REPRESENTATIVE WHO WILL CONTACT THE ARCHITECT ON AN AS-NEEDED BASIS. "PROVIDE" MEANS TO FURNISH, FABRICATE, DELIVER, INSTALL AND ERECT, AND CONNECT, INCLUDING ALL LABOR, MATERIALS, EQUIPMENT, APPARATUS.
- APPURTENANCES AND EXPENSES NECESSARY TO COMPLETE IN PLACE, READY FOR OPERATION AND USE, UNDER THE TERMS OF THE CONTRACT DOCUMENTS. 10. "AS SHOWN", "AS DETAILED", "AS INDICATED" OR WORDS OF SIMILAR IMPORT MEAN AS
- INDICATED ON THE DRAWINGS. "APPROVED EQUAL", "OR EQUAL", "OR APPROVED EQUAL" MEANS AS APPROVED AND ACCEPTED BY THE ARCHITECT AS DEFINED IN SECTION 01600 OF THE SPECIFICATIONS.

013119 PROJECT MEETINGS

12. "SHALL" IS MANDATORY.

- A. PROJECT MEETINGS BETWEEN T-MOBILE AND CONTRACTOR WILL BE SCHEDULED BY T-MOBILE
- B. ARCHITECT'S ATTENDANCE WILL BE UPON WRITTEN REQUEST OF T-MOBILE'S REPRESENTATIVE.

014000 - PROJECT COORDINATION

- A. THE G.C. SHALL BE RESPONSIBLE FOR ALL PROJECT COORDINATION. COORDINATE THE WORK OF ALL SUBCONTRACTORS IN CONJUNCTION WITH T-MOBILE'S CONTRACTORS AND
- PREPARE DETAILED SCHEDULE OF OPERATIONS OF ALL SUBCONTRACTORS ON THE
- PROJECT AND MONITOR SCHEDULES AS WORK PROGRESSES. REPORT NON-COMPLIANCE TO ARCHITECT, WITH RECOMMENDATION TO REMEDY.
- MAINTAIN COST ACCOUNTING RECORDS FOR AUTHORIZED WORK PERFORMED, ACTUAL COSTS FOR LABOR AND MATERIALS, AND OTHER WORK REQUIRING ACCOUNTING
- REVIEW SUBCONTRACTOR'S REQUESTS FOR CHANGES AND FOR SUBSTITUTIONS; SUBMIT RECOMMENDATIONS TO T-MOBILE CONSTRUCTION PROJECT MANAGER AND PROCESS CHANGE ORDERS.
- PERMITS AND FEES: VERIFY THAT SUBCONTRACTORS HAVE OBTAINED ALL PERMITS
- REQUIRED FOR INSPECTIONS AND TEMPORARY FACILITIES. INTERPRETATIONS OF CONTRACT DOCUMENTS: CONSULT WITH ARCHITECT TO OBTAIN INTERPRETATIONS. ASSIST IN RESOLUTION OF QUESTIONS WHICH ARISE. TRANSMIT

SECTION 014500 - QUALITY CONTROL

WRITTEN INTERPRETATIONS TO CONCERNED PARTIES.

- STANDARDS: COMPLY WITH INDUSTRY STANDARDS EXCEPT WHEN MORE RESTRICTIVE TOLERANCES OR SPECIFIED REQUIREMENTS INDICATE MORE RIGID STANDARDS OR MORE PRECISE WORKMANSHIP
- PERFORM ALL WORK TO MEET OR EXCEED THE REQUIREMENTS OF ALL APPLICABLE CODES, ORDINANCES, LAWS, REGULATIONS, SAFETY ORDERS, AND DIRECTIVES FROM AUTHORITIES HAVING JURISDICTION OVER THE WORK.
- PERFORM WORK WITH PERSONS QUALIFIED TO PRODUCE WORKMANSHIP OF SPECIFIED
- INSTALL PRODUCTS IN ACCORDANCE WITH THE MANUFACTURER / RECOMMENDATIONS. WHERE CONFLICT BETWEEN MANUFACTURER / RECOMMENDATIONS AND THE SPECIFIED REQUIREMENTS IS DISCOVERED, NOTIFY THE ARCHITECT IMMEDIATELY.

015000 TEMPORARY FACILITIES AND CONTROL

- A. ALL TEMPORARY FACILITIES AND CONTROLS, INCLUDING THE FOLLOWING, ARE TO BE COORDINATED ENTIRELY WITH T-MOBILE. TEMPORARY UTILITIES, INCLUDING ELECTRICITY, LIGHTING, HEATING AND
- VENTILATION, WATER AND TELEPHONE. DUST CONTROL.
- BARRIERS AND ENCLOSURES.
- SECURITY. CONTRACTOR DESIGNATED AREAS, INCLUDING PARKING AND STORAGE.

016000 PRODUCT REQUIREMENTS

A. SUBSTITUTIONS SUBSTITUTIONS WILL NOT BE ALLOWED UNLESS APPROVED BY T-MOBILE. ARCHITECT WILL DETERMINE ACCEPTABILITY OF PROPOSED SUBSTITUTION, AND WILL NOTIFY CONTRACTOR OF ACCEPTANCE OR REJECTION WITHIN A REASONABLE TIME IN WRITING

SUBSTITUTIONS WILL NOT BE CONSIDERED IF THEY ARE INDICATED OR IMPLIED ON

- SHOP DRAWINGS OR PROJECT DATA SUBMITTALS WITHOUT FORMAL WRITTEN REQUEST, OR IF ACCEPTANCE WILL REQUIRE SUBSTANTIAL REVISION OF CONTRACT DOCUMENTS.
- KEEP FINISHED SURFACES CLEAN AND UNMARRED UNTIL THE DATE OF ACCEPTANCE. PRODUCTS SHALL BE NEW, OF THE TYPE SPECIFIED, AND FURNISHED IN AMPLE QUANTITIES TO FACILITATE PROPER AND TIMELY EXECUTION OF THE WORK.

017329 CUTTING AND PATCHING

- A. REPAIR EXISTING SURFACES AND CONSTRUCTION AS NECESSARY TO MAKE WORK COMPLETE, WITH ALL COMPONENTS MATCHING AND CONSISTENT.
- PROVIDE A SMOOTH, EVEN, AND INVISIBLE TRANSITION TO NEW CONSTRUCTION. SEAL ALL PENETRATIONS IN WALLS, FLOORS AND CEILINGS AS REQUIRED TO MAINTAIN
- FIRE RATING AND BY JURISDICTION HAVING AUTHORITY. MAJOR PATCHING PROCEDURES
- SHALL BE REVIEWED WITH THE D. T-MOBILE AND THE BUILDING OWNER, PRIOR TO PROCEEDING.
- EXISTING SPRAYED FIREPROOFING WHERE OCCURS: PATCH AND REPAIR EXISTING SPRAYED FIREPROOFING TO MATCH THE FIRE-RATING OF THE EXISTING CONSTRUCTION. HAND PATCH USING UL-APPROVED MATERIALS AND PROCEDURES.

PATCHING OF EXISTING CONCRETE SLABS ON GRADE: IN ACCORDANCE WITH SECTION

G. X-RAY CONCRETE SLABS PRIOR TO ANY SAW-CUTTING FOR AREAS WITH POSSIBLE POST TENSIONED SLABS

017700 CLOSEOUT PROCEDURES

- A. AS-BUILT DOCUMENTS: RECORD DOCUMENTS, PROVIDED BY THE CONTRACTOR, WHICH EXACTLY INDICATE "AS-BUILT" CONDITIONS, WILL BE AS REQUIRED BY T-MOBILE AND LOCATED PER NOTES ON THE FLOOR PLAN SHEETS.
- OPERATION AND MAINTENANCE MANUALS WILL BE AS REQUIRED BY T-MOBILE. PROJECT CLOSEOUT DOCUMENTS, INCLUDING WARRANTY, GUARANTEES AND REQUEST FOR FINAL PAYMENT, WILL BE AS REQUIRED BY T-MOBILE.

DIVISION 2 - EXISTING CONDITIONS

024119 SELECTIVE DEMOLITION

- A. DEMOLISH IN AN ORDERLY AND CAREFUL MANNER AS REQUIRED TO ACCOMMODATE THE WORK, WHERE DEMOLITION EXCEEDS THAT INDICATED, VERIFY SUCH DEMOLITION WITH THE ARCHITECT PRIOR TO PROCEEDING.
- PROTECT EXISTING STRUCTURAL MEMBERS. CONTACT THE ARCHITECT PRIOR TO MODIFYING STRUCTURAL MEMBERS BEYOND THE EXTENT INDICATED. CEASE OPERATIONS AND NOTIFY THE ARCHITECT IMMEDIATELY IF CONTINUED DEMOLITION OPERATIONS MIGHT ENDANGER THE EXISTING STRUCTURE.
- DURING DEMOLITION OPERATIONS, NOTIFY THE ARCHITECT OF ALL CONDITIONS WHICH DIFFER SUBSTANTIALLY FROM THOSE INDICATED, SPECIFIED, OR EXPECTED. NOTIFY THE ARCHITECT IF PREVIOUSLY UNKNOWN OPERATIONAL, OR POTENTIALLY OPERATIONAL ELEMENTS, ARE UNCOVERED DURING DEMOLITION OPERATIONS. PERFORM NO
- DEMOLITION IN SUCH AREAS, UNLESS APPROVED BY THE ARCHITECT. PROVIDE TEMPORARY SHORING AS REQUIRED TO SUPPORT EXISTING CONSTRUCTION AGAINST MOVEMENT OR OVERLOAD DURING DEMOLITION OPERATIONS, UNTIL PERMANENT
- SUPPORTS ARE IN PLACE. EXCEPT WHERE NOTED OR SPECIFIED OTHERWISE, TAKE POSSESSION OF MATERIALS BEING DEMOLISHED, AND IMMEDIATELY REMOVE FROM SITE. DO NOT OVERLOAD EXISTING
- CONSTRUCTION TO REMAIN WITH DEMOLISHED MATERIALS. CAREFULLY REMOVE, STORE, AND PROTECT ALL MATERIALS AND COMPONENTS TO BE
- WHERE POSSIBLE WITHOUT DAMAGE, REMOVE, STORE, AND PROTECT EXISTING MATERIALS AND COMPONENTS NOT NOTED FOR REMOVAL, WHICH IF REMOVED, WOULD FACILITATE THE NEW CONSTRUCTION AND RECONDITIONING.
- CAREFULLY REMOVE, PROTECT, AND TURN OVER AS DIRECTED, MATERIALS AND COMPONENTS CLAIMED BY T-MOBILE FOR SALVAGE. PRIOR TO DEMOLITION, CONTACT THE T-MOBILE TO DETERMINE WHICH ITEMS WILL BE CLAIMED.
- WHERE CUT EDGES OF THE EXISTING CONSTRUCTION WILL BE VISIBLE IN THE COMPLETED WORK, CUT IN UNIFORM STRAIGHT LINES. CONCRETE AND MASONRY SHALL BE SAW CUT OR CORE DRILLED.
- REPAIR ALL DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED, AT NO ADDITIONAL COST TO T-MOBILE. (. UTILITY LINE DEMOLITION:
- VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO DEMOLITION. ABANDONED UNDER-SLAB CONDUIT SHALL BE CUT OFF BELOW THE FINISHED SURFACE LINE, AND ALL CONDUCTORS SHALL BE REMOVED. PATCH AND FILL THE OPENING FLUSH WITH THE FINISH
- ABANDONED ELECTRICAL CONDUCTORS SHALL BE REMOVED BACK TO THE BRANCH CIRCUIT PANEL, UNLESS INDICATED OTHERWISE. ABANDONED CONDUIT WHICH IS EXPOSED AND READILY ACCESSIBLE SHALL BE REMOVED. LEAVE ABANDONED CONDUIT WHICH IS CONCEALED IN EXISTING CONSTRUCTION TO REMAIN.
- ABANDONED UNDER-SLAB PIPING SHALL BE REMOVED AND CUT OFF FLUSH WITH THE FLOOR LINE. PATCH FLUSH WITH THE FLOOR. ABANDONED PIPING WHICH IS EXPOSED AND READILY ACCESSIBLE SHALL BE
- REMOVED. LEAVE ABANDONED PIPING WHICH IS CONCEALED IN EXISTING CONSTRUCTION TO REMAIN. CAP ALL EXPOSED ENDS. INDICATE LOCATION OF DISCONNECTED UTILITIES ON THE PROJECT RECORD
- DRAWINGS AS SPECIFIED IN DIVISION 01 LEAVE SITE IN A CONDITION ACCEPTABLE TO T-MOBILE AT ALL TIMES. REMOVE DEMOLISHED MATERIALS FROM SITE DAILY AS WORK PROGRESSES. DO NOT OVERLOAD
- EXISTING STRUCTURE WITH DEMOLISHED MATERIALS. M. REMOVAL OF BONDED FLOOR FINISHES: SCRAPE. GRIND AND OTHERWISE REMOVE EXISTING FLOOR FINISH AND BONDING
- MATERIALS AS NECESSARY TO RECEIVE NEW FLOOR FINISHES. PREPARED SURFACE SHALL PRESENT A UNIFORM FLAT SURFACE READY TO RECEIVE THE NEW FLOOR FINISHES FREE OF TELEGRAPHING AND OTHER SURFACE **IRREGULARITIES**
- SLOPE SHALL NOT TO EXCEED 1/8" IN 10 FEET. THE FLOOR STRUCTURE MUST HAVE LESS THAN 1/64" PER FOOT DEFLECTION IN ORDER TO ACCEPT TENANT'S FLOOR FINISHES. FILL EXCESSIVE VOIDS OR VARIATIONS GREATER THAN IN THE SUBFLOOR 1/8" IN 10" AS
- SPECIFIED IN DIVISION 03. NEW FLOOR FINISHES SHALL NOT BE INSTALLED OVER EXISTING FLOOR FINISH MATERIALS UNLESS APPROVED OTHERWISE

DIVISION 3 - CONCRETE

- 030133 CONCRETE SLAB PATCHING
- A. QUALITY ASSURANCE: PERFORM WORK IN ACCORDANCE WITH ACI 301, AS APPLICABLE. B. CONCRETE MATERIALS:
- CEMENT: ASTM C150, NORMAL TYPE 1 PORTLAND CEMENT; GRAY COLOR. NORMAL WEIGHT FINE AND COARSE AGGREGATES: ASTM C33
- ACCELERATOR: ASTM C 494. TYPE C OR E. NON-CORROSIVE. NON-CHLORIDE. CONCRETE MIX: IN ACCORDANCE WITH ASTM C94, MINIMUM 3000 PSI 28 DAY COMPRESSIVE STRENGTH. D. REINFORCING:
- REINFORCING STEEL: ASTM C615, GRADE 40, UNLESS INDICATED OTHERWISE. CHAIRS, BOLSTERS, BAR SUPPORTS, AND SPACERS: SIZED AND SHAPED FOR STRENGTH AND SUPPORT OF REINFORCEMENT DURING INSTALLATION AND
- PLACEMENT OF CONCRETE. FABRICATE AS INDICATED AND IN ACCORDANCE WITH ACI 315. DOWEL INTO EXISTING SLAB AT MINIMUM 18 INCHES ON CENTER BUT IN NOT LESS THAN 2 PLACES ALONG LONG SIDE OF CONCRETE PATCH AREA. DOWEL INTO EXISTING SLAB AT MINIMUM 18 INCHES ON CENTER BUT IN NOT LESS THAN 2 PLACES ALONG LONG SIDE OF CONCRETE PATCH AREA. EPOXY-COATED REINFORCING BARS: ASTM A 775/A 775M, EPOXY COATED, WITH LESS THAN 2 PERCENT DAMAGED COATING
- IN EACH 12-INCH (300-MM) BAR LENGTH. 4.1. EPOXY BONDING ADHESIVE: ASTM C 881. TWO-COMPONENT EPOXY RESIN. CAPABLE OF HUMID CURING AND BONDING TO DAMP SURFACES, OF CLASS SUITABLE FOR APPLICATION TEMPERATURE AND OF GRADE TO SUIT REQUIREMENTS, AND FOR BONDING HARDENED OR FRESHLY MIXED CONCRETE
- TO HARDENED CONCRETE. PRODUCT: HILTI HIT-HY 200 EPOXY. INSTALL PER ICC-ES-3187 5. PLACE, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT.
- LOCATE REINFORCING SPLICES NOT INDICATED ON THE DRAWINGS AT POINTS OF MINIMUM STRESS. E. PLACEMENT: COORDINATE WITH OTHER TRADES FOR INSTALLATION AND BEDDING OF UTILITIES.
- ENSURE THAT BELOW GRADE CONSTRUCTION IS COMPLETE IN THE SLAB AREA TO BE PATCHED. REPLACE EXISTING SUBGRADE MATERIALS TO MATCH EXISTING. REPLACE AND MAKE CONTINUOUS VAPOR BARRIERS AND OTHER SIMILAR CONSTRUCTION DISTURBED OR
- DAMAGED DURING DEMOLITION OR CONSTRUCTION OPERATIONS. RECOMPACT EXISTING SUBGRADE TO 95 PERCENT OF MAXIMUM DRY DENSITY AS **DETERMINED BY ASTM D1557** PATCH SLAB WITH CONCRETE HAVING A MINIMUM 28-DAY STRENGTH OF 3000 PSI;
- MAXIMUM WATER/CEMENT RATIO OF 0.40. USE SUPERPLASTICIZER ADMIXTURE AS NECESSARY FOR WORKABILITY. FINISH CONCRETE TO MATCH ADJACENT SURFACES.
- CURING: MOISTURE CURE CONCRETE FOR A MINIMUM OF 7 DAYS, UNLESS APPROVED OTHERWISE.
- G. SEALING AND HARDENING CONCRETE FLOORS. MANUFACTURERS
- ACCEPTABLE MANUFACTURER: CURECRETE DISTRIBUTION, INC; 1203 WEST SPRING CREEK PLACE, SPRINGVILLE, UT 84663. ASD. TEL (800) 998-5664, FAX (801) 489-3307, EMAIL: TECHSUPPORT@ASHFORDFORMULA.COM. WWW.ASHFORDFORMULA.COM 2 MATERIALS
- CURE-SEAL-HARDENER: ASHFORD FORMULA; WATER-BASED CHEMICALLY-REACTIVE PENETRATING SEALER AND HARDENER, THAT SEALS BY DENSIFYING CONCRETE SO THAT WATER MOLECULES CANNOT PASS THROUGH BUT AIR AND WATER VAPOR CAN, WHILE ALLOWING CONCRETE TO ACHIEVE FULL COMPRESSIVE STRENGTH, MINIMIZING SURFACE CRAZING, AND ELIMINATING DUSTING.
- a.a. COLORLESS, TRANSPARENT, ODORLESS, NON-TOXIC, NON-FLAMMABLE. a.b. CONTAINING NO SOLVENTS OR VOLATILE ORGANIC COMPOUNDS.
- a.c. ALLOWING TRAFFIC ON FLOORS WITHIN 2 TO 3 HOURS, WHICH CHEMICAL PROCESS COMPLETE WITH 3 MONTHS.
- a.d. NO CHANGE TO SURFACE APPEARANCE EXCEPT A SHEEN DEVELOPED DUE TO TRAFFIC AND CLEANING.

DIVISION 3 - CONCRETE, CONT.

- WATER: CLEAN, POTABLE
- PREPARATION CLEAN SURFACES THOROUGHLY PRIOR TO INSTALLATION.
- PREPARE SURFACES USING THE METHODS RECOMMENDED BY THE MANUFACTURER FOR ACHIEVING THE BEST RESULT FOR THE SUBSTRATE UNDER THE PROJECT CONDITIONS.
- INSTALLATION INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- PREVENT DAMAGE TO AND SOILING OF ADJACENT WORK. NEW CONCRETE: APPLY CURE-SEAL-HARDENER TO NEW CONCRETE AS SOON AS THE CONCRETE IS FIRM ENOUGH TO WORK ON AFTER TOWELING, EXCEPT ON COLORED CONCRETE WAIT MINIMUM OF 30 DAYS.
- SPRAY ON AT RATE OF 200 SQUARE FEET PER GALLON KEEP SURFACES WET WITH CURE-SEAL HARDENER FOR MINIMUM SOAK-IN PERIOD OF 30 MINUTES WITHOUT ALLOWING DRYING OUT OR BECOMING SLIPPERY. IN HOT WEATHER, SLIPPERINESS MAY APPEAR BEFORE THE 30 MINUTE TIME PERIOD HAS ELAPSED. IF THAT OCCURS, APPLY MORE CURE-SEAL-HARDENER AS REQUIRED TO KEEP ENTIRE SURFACE IN A NON-SLIPPERY STATE FOR THE FIRST 15 MINUTES. FOR THE REMAINING 15 MINUTES. MIST THE SURFACE AS NEEDED WITH WATER TO KEEP THE MATERIAL IN A NON-SLIPPERY
- AFTER THIS PERIOD, WHEN TREATED SURFACE BECOMES SLIPPERY, LIGHTLY MIST WITH WATER UNTIL SLIPPERINESS DISAPPEARS.
- WAIT FOR THE SURFACE TO BECOME SLIPPERY AGAIN AND THEN FLUSH ENTIRE SURFACE WITH WATER REMOVING ALL RESIDUE OF CURE-SEAL-HARDENER. SQUEEGEE SURFACE COMPLETELY DRY, FLUSHING ANY REMAINING SLIPPERY AREAS
- UNTIL NO RESIDUE REMAINS. WET VACUUM OR SCRUBBING MACHINES MAY BE USED TO REMOVE RESIDUE, PROVIDED MANUFACTURER'S INSTRUCTIONS ARE FOLLOWED.

035416 HYDRAULIC CEMENT UNDERLAYMENT

- A SUMMARY CEMENTITIOUS UNDERLAYMENTS AS NECESSARY FOR LEVELING OF NEW OR EXISTING CONCRETE FLOOR SUBSTRATES, AS NECESSARY TO MEET SPECIFIED TOLERANCES. CEMENTITIOUS TOPPINGS AS NECESSARY FOR LEVELING NEW OR EXISTING SLABS AT
- LOCATIONS INDICATED TO RECEIVE CONCRETE SEALER ONLY. RAMPS AND TAPERS AS NECESSARY TO ALIGN LEVELS BETWEEN DISSIMILAR FINISHES. B. ENVIRONMENTAL REQUIREMENTS" MAINTAIN SURFACE AND AMBIENT TEMPERATURE OF BETWEEN 50 AND 80 DEGREES F
- FOR 24 HOURS BEFORE, DURING, AND 24 HOURS AFTER UNDERLAYMENT INSTALLATION. KEEP TRAFFIC OUT OF AREA IN WHICH UNDERLAYMENT IS BEING APPLIED OR CURED. SELF-LEVELING UNDERLAYMENT SYSTEM: SELF-LEVELING, POURABLE, CEMENT BASED
- MATERIAL, MINIMUM 28 DAY COMPRESSIVE STRENGTH 2,000 PSI; MINIMUM BOND STRENGTH 200 PSI; ONE OF THE FOLLOWING AS RECOMMENDED BY MANUFACTURER FOR CONDITIONS, OR APPROVED.
- ARDEX INC. "K-15" SELF-LEVELING UNDERLAYMENT CONCRETE LATICRETE INTERNATIONAL, INC. "LATICRETE 86 LATILEVEL THIN POUR UNDERLAYMENT."

MAPEI CORPORATION "ULTRAPLAN 1 PLUS" OR "NOVOPLAN 2 PLUS."

- TROWELABLE UNDERLAYMENT SYSTEM: AS RECOMMENDED BY MANUFACTURER FOR CONDITIONS. OR APPROVED:
- MAPEI CORPORATION "MAPACEM 100" OR "PLANITOP 11".
- ARDEX INC. "SD-P" FAST-SETTING UNDERLAYMENT. LATICRETE INTERNATIONAL, INC. "LATICRETE 220 MEDIUM BED MORTAR" MIXED WITH
- "LATICRETE 3701 LATEX MORTAR ADMIX." CEMENTITIOUS TOPPINGS: FOR CONCRETE SURFACES AT LOCATIONS INDICATED TO RECEIVE CONCRETE SEALER OR NOT OTHERWISE COVERED BY FLOORING MATERIAL; ONE OF THE FOLLOWING OR APPROVED:
- . SELF-LEVELING TYPES: a. MAPEI CORPORATION "ULTRATOP" SELF-LEVELING ABRASION-RESISTANT TOPPING. b. ARDEX INC. "K-500" SELF-LEVELING CONCRETE TOPPING.
- TROWELABLE TYPES: MAPEI CORPORATION "MARECEM 100" FAST-SETTING TOPPING MORTAR
- ARDEX INC. "CD" SELF-DRYING CONCRETE DRESSING. ACCESSORIES: FURNISH PRIMERS, PATCHING COMPOUNDS, AND SAND FILLERS AS RECOMMENDED BY THE UNDERLAYMENT MANUFACTURER FOR THE CONDITIONS OF THE
- PREPARATION THOROUGHLY MIX UNDERLAYMENT MATERIALS FOR EACH TYPE OF PRODUCT IN PROPER PROPORTIONS TO ACHIEVE SMOOTH HOMOGENEOUS MIX, FREE OF LUMPS. WITH THE EXCEPTION OF AREAS WHERE LEVELING CAN BE ACCOMPLISHED BY USE OF
- LATEX UNDERLAYMENT, AS SPECIFIED IN OTHER SECTIONS, INSTALL CEMENTITIOUS UNDERLAYMENT TO CONCRETE SLABS AS INDICATED ON THE DRAWINGS, AND AS NECESSARY TO LEVEL SLABS OR BRING SUBSTRATES TO PROPER ELEVATION.
- WORK MAY PROGRESS. SURVEY FLOOR AS NECESSARY TO SET SCREEDS AND REFERENCE POINTS. IDENTIFY CONSTRUCTION JOINTS. PREPARE FOR UNDERLAYMENT AT ALL LOCATIONS WHERE

INSPECT FLOOR TO VERIFY THAT DEMOLITION IS COMPLETE TO THE POINT WHERE

- FLOOR DOES NOT MEET SPECIFIED TOLERANCE REQUIREMENTS. ENSURE THAT SUBFLOOR IS CLEAN, DRY, HARD, SOUND, AND FREE OF OILS, OR OTHER SUBSTANCE THAT WOULD AFFECT PROPER BONDING AND CURING.
- VERIFY THAT ALL AREAS TO BE LEVELED ARE AT OR BELOW FINAL DESIGN ELEVATION. GRIND DOWN HIGH SPOTS AS NECESSARY TO MEET SPECIFIED TOLERANCE REQUIREMENTS. SET SCREEDS, MARKERS, AND REFERENCE BLOCKS. SET SCREEDS AT ALL
- APPLY PRIMER TO ALL AREAS TO RECEIVE UNDERLAYMENT AND TOPPINGS; REPEAT APPLICATION IF NECESSARY TO ACHIEVE PROPER BUILD. H. INSTALLATION:
- INSTALL TROWELABLE UNDERLAYMENT AT LOCATIONS WHERE SLOPES ARE INDICATED AND AT OTHER LOCATIONS WHERE TAPERED FILL IS NECESSARY TO ALIGN THE FINISHED SURFACES OF THE VARIOUS FLOOR FINISH MATERIALS. INSTALL SELF-LEVELING UNDERLAYMENT AT EXISTING CONCRETE SLAB SURFACES TO

CONSTRUCTION AND CONTROL JOINTS TO ESTABLISH WEAKENED PLANE JOINTS IN

- CORRECT SLAB FLATNESS AND LEVELNESS. PROVIDE CEMENTITIOUS TOPPINGS AT LOCATIONS TO REMAIN EXPOSED IN THE
- INSTALL UNDERLAYMENTS AND TOPPINGS; FINISH TO A SMOOTH UNIFORM SURFACE. CURE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- TOLERANCES: VERY FLAT; LEVEL TO WITHIN 1/16" IN 40" CLEANING: AS WORK PROCEEDS, CLEAN UP EXCESS MATERIALS, RUBBISH, AND SPLASH.

DIVISION 4 - MASONARY (NOT USED)

DIVISION 5 - METALS

- 054000 COLD-FORMED METAL FRAMING
- A. SUMMARY: LIGHT GA STRUCTURAL STEEL METAL FRAMING AT EXTERIOR WALLS WHERE INDICATED ON THE DRAWINGS, AND AT SOFFIT CONSTRUCTION SUPPORTING
- STOREFRONTS, DISPLAY WINDOWS, AND SIGNAGE ELEMENTS. STRUCTURAL DESIGN OF COLD FORMED METAL FRAMING SYSTEMS NOT INDICATED ON THE STRUCTURAL DRAWINGS. B. SYSTEM DESCRIPTION:

DESIGN SYSTEM TO RESIST DEAD AND LIVE LOADS FROM WINDOWS, DISPLAY CASES.

- STRUCTURAL DESIGN: a. SIZE AND ARRANGE MEMBERS TO SUPPORT DEAD AND LIVE LOADS IN ACCORDANCE CODE REQUIREMENTS.
- AWNINGS, AND OTHER ITEMS INDICATED TO BE SUPPORTED BY COLD FORMED METAL FRAMING. DESIGN SYSTEM TO RESIST 100 PERCENT OF THE DESIGN LOAD WITH A MAXIMUM DEFLECTION OF L/720.
- ANCHORAGES SHALL BE DESIGNED TO SIMULTANEOUSLY RESIST ALL VERTICAL AND LATERAL LOADS, WITH A SAFETY FACTOR OF 2.

DIVISION 5 - METALS, CONT.

- DESIGN SYSTEM TO ACCOMMODATE BUILDING DEFLECTION, DYNAMIC BUILDING MOVEMENT, AND TEMPERATURE VARIATIONS WITHOUT DAMAGE TO SYSTEM COMPONENTS.
- CONFIGURATION: PROVIDE FRAMING OF DEPTH INDICATED ON THE DRAWINGS.
- b. WHERE STUD GA IS INDICATED ON THE DRAWINGS, PROVIDE STUDS OF INDICATED OR HEAVIER GA
- WHERE STUD SPACING IS INDICATED ON THE DRAWINGS, PROVIDE ADDITIONAL STUDS OR CLOSER SPACING AS NECESSARY TO MEET DESIGN REQUIREMENTS.
- d. IN ADDITION TO COLD FORMED METAL FRAMING, PROVIDE ADDITIONAL STRUCTURAL STEEL MEMBERS AS REQUIRED TO SUPPORT THE LOADS IMPOSED.
- QUALITY ASSURANCE: USE ONLY CERTIFIED WELDERS.

IS LOCATED.

COMPONENTS:

- CALCULATE STRUCTURAL PROPERTIES OF FRAMING MEMBERS IN ACCORDANCE WITH THE AISI "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL MEMBERS". STRUCTURAL DESIGN: STRUCTURAL DESIGN OF THE FRAMING SYSTEM SHALL BE BY A STRUCTURAL ENGINEER LICENSED TO PRACTICE IN THE STATE WHERE THE PROJECT
- REGULATORY REQUIREMENTS: a. FRAMING SYSTEM SHALL MEET THE REQUIREMENTS OF THE JURISDICTIONAL CODE
- b. FURNISH ALL CALCULATIONS, ENGINEER'S STAMPS, DRAWINGS, AND OTHER ITEMS REQUIRED BY THE CODE AUTHORITIES TO OBTAIN APPROVAL OF THE INSTALLATION.
- COLD FORMED LIGHT-GA STEEL FRAMING: ASTM A653; TYPES AS INDICATED ON THE STRUCTURAL DRAWINGS; G60 GALVANIZED COATING.
- SCREWS: ASTM C954; SELF-DRILLING, SELF-TAPPING; PAN HEAD; GALVANIZED OR FLUOROPOLYMER COATED STEEL ZINC RICH TOUCH-UP PAINT: "GALV-WELD," "GALVICAN," "ZRC COLD GALVANIZED
- COMPOUND," OR APPROVED. INSTALLATION: INSTALL LIGHT GA STRUCTURAL FRAMING IN ACCORDANCE WITH ASTM C1007, UNLESS INDICATED OR SPECIFIED OTHERWISE. AND AS INDICATED ON THE DRAWINGS.
- SCREW OR WELD EACH JOINT, WELDS SHALL BE IN ACCORDANCE WITH AWS D1.3. METAL FRAMING MEMBERS SHALL BE SAW OR SHEAR CUT. NO TORCH CUTTING IS
- CONSTRUCT CORNERS WITH A MINIMUM OF 3 STUDS PER CORNER. FRAME BOTH SIDES OF EXPANSION AND SEISMIC JOINTS. DO NOT BRIDGE JOINTS WITH SYSTEM COMPONENTS OR ACCESSORIES. PROVIDE FRAMING AS REQUIRED TO FORM SOLID BACKING FOR ALL EDGES OF
- SHEATHING, AND TRIM ACCESSORIES. TOLERANCES:
- PLUMBNESS: PLUMB WITHIN 1/8 INCH IN 10 FEET. b. LOCATION: LOCATED WITHIN 1/4 INCH OF THE REQUIRED LOCATION. ALIGNMENT: STUD AND RUNNER FACES TO RECEIVE FINISH MATERIALS SHALL NOT VARY GREATER THAN 1/8 INCH FROM THE REQUIRED PLANE, WITH NO ABRUPT JOGS OR
- **BREAKS IN PLANE** d. LEVEL: LEVEL WITHIN 1/8 INCH IN 10 FEET. ERECT STUDS IN ONE PIECE FULL LENGTH. SPLICING AND WIRE TYING OF FRAMING
- COMPONENTS SHALL NOT BE USED. TOUCH-UP FIELD WELDS AND SCRATCHED OR DAMAGED GALVANIZING WITH ZINC RICH 10. ATTACH CROSS STUDS OR FURRING CHANNELS TO STUDS FOR ATTACHMENT OF WALL
- MOUNTED ITEMS INSTALL FRAMING BETWEEN STUDS FOR ATTACHMENT OF ELECTRICAL BOXES AND OTHER MECHANICAL AND ELECTRICAL ITEMS.
 - FIELD QUALITY CONTROL THE COLD FORMED METAL FRAMING DESIGN ENGINEER OR HIS AUTHORIZED REPRESENTATIVE SHALL VISIT THE SITE TO INSPECT THE WORK. VERIFY AND CERTIFY THAT FRAMING SIZES AND MATERIALS ARE AS REQUIRED, THAT CONNECTIONS ARE PROPERLY EXECUTED, AND THAT STRUCTURAL INTEGRITY OF MATERIALS HAS BEEN MAINTAINED.

DIVISION 6 - WOOD AND PLASTIC

- 061000 ROUGH CARPENTRY A. DIMENSION LUMBER: 1. LUMBER SHALL BE MANUFACTURED IN ACCORDANCE WITH PS 20, AND SHALL BE
- STAMPED AND GRADED IN ACCORDANCE WITH SPIB, WWPA, WCLIB, OR NLGA GRADING MOISTURE CONTENT: KILN DRIED TO 19% MAXIMUM MOISTURE CONTENT, EXCEPT FOR
- MATERIAL WHOSE LEAST DIMENSION IS 4 INCHES THICK OR GREATER. SPECIES: SOUTHERN PINE, HEM-FIR, SPRUCE-PINE-FIR (SPF), OR DOUGLAS FIR LARCH, UNLESS INDICATED OR SPECIFIED OTHERWISE. ARCHITECTURAL LUMBER GRADES: UNEXPOSED NON-STRUCTURAL WOOD FRAMING
- AND BLOCKING INDICATED ON THE ARCHITECTURAL DRAWINGS SHALL BE GRADED AS
- BLOCKING AND NAILERS: "UTILITY LIGHT FRAMING," OR BETTER. PANEL MATERIALS: MISCELLANEOUS SHEATHING: APA RATED SHEATHING; CD GRADE; EXTERIOR; PLYWOOD OR ORIENTED STRAND BOARD, UNLESS APPROVED OTHERWISE; THICKNESS
- AS INDICATED TERMINAL BACKBOARDS: APA AC GRADE EXTERIOR; FIRE RETARDANT TREATED.

b. G-185 GALVANIZED COATING OR STAINLESS STEEL FASTENERS AT TREATED WOOD

- . ACCESSORIES: FASTENERS: a. HOT-DIPPED GALVANIZED STEEL FOR EXTERIOR, HIGH HUMIDITY LOCATIONS.
- WOOD TREATMENT
- 1. WOOD PRESERVATIVE (PRESSURE TREATMENT): PRESERVATIVE TREAT ALL WOOD IN CONTACT WITH CONCRETE, MASONRY, AND MOIST CONDITIONS. SITE TREAT SAWN ENDS WITH PRESERVATIVE TREATMENT.

PRESERVATIVE TREAT ALL WOOD AND PLYWOOD AT ROOF CONSTRUCTION OR OTHER

WOOD IN MOIST CONDITIONS. SITE TREAT SAWN ENDS WITH PRESERVATIVE TREATMENT.

FOR ABOVE GROUND USE, USE AWPA CERTIFIED AMMONIUM COPPER QUATERNIUM (ACQ) OR COPPER HYDROXIDE SODIUM DIMETHYLDITHIOCARBAMATE (CDDC) WATERBORNE PRESERVATIVE WITH 0.25 POUNDS PER CUBIC FOOT OF WOOD RETENTION.

TREATED WOOD SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19%.

- TREATED WOOD SHALL BEAR THE QUALITY STAMP OF AN INSPECTION AGENCY APPROVED BY THE JURISDICTIONAL CODE AUTHORITIES. 2. FIRE RETARDANT TREATMENT (AT TYPES I AND II CONSTRUCTION ONLY): FIRE RETARDANT TREAT ALL INTERIOR CONCEALED LUMBER AND PLYWOOD, AND OTHER WOOD AS INDICATED OR SPECIFIED. PROVIDE EXTERIOR FIREPROOFING AT ROOFTOP
- BLOCKING, NAILERS, CURBS, SHEATHING, AND OTHER LOCATIONS SUBJECT TO WETTING DURING CONSTRUCTION OPERATIONS. ALL FIRE RETARDANT TREATED WOOD MATERIALS SHALL BEAR A UL "FR-S" LABEL, OR A LABEL FROM AN APPROVED INSPECTION AGENCY CERTIFYING THAT THE MATERIAL
- MEETS THE REQUIREMENTS OF AWPA C-20 TYPE A FOR LUMBER AND AWPA C-27 TYPE A FOR PLYWOOD. TREATED LUMBER SHALL BE KILN DRIED TO A MAXIMUM MOISTURE CONTENT OF 19%; TREATED PLYWOOD SHALL BE KILN DRIED TO A MAXIMUM MOISTURE CONTENT OF 15%.
- CORPORATION "DRICON," HOOVER TREATED WOOD PRODUCTS "PYRO-GUARD," OR OSMOSE WOOD PRESERVING CO. OF AMERICA, INC. "FLAME PROOF LHC." BLOCKING AND NAILERS:
- PROVIDE BLOCKING, NAILERS FOR ALL SHEATHING, ROOF CONSTRUCTION, METAL FLASHING, AND OTHER CONSTRUCTION AS INDICATED. WOOD BLOCKING: INSTALL WOOD BLOCKING TO RECEIVE MECHANICAL FASTENERS FOR SUPPORT OF ELECTRICAL FIXTURES AND EQUIPMENT, CABINETS, DOORSTOP PLATES. WOOD BASE, WAINSCOTS, COAT HOOKS, AND ALL OTHER WALL AND CEILING

APPROVED PRODUCTS INTERIOR FIREPROOFING: CLEAR FINISH PRODUCT, HICKSON

- MOUNTED COMPONENTS, UNLESS SPECIFIED OTHERWISE. BACKING a. PLYWOOD BACKING SHALL BE USED IN LIEU OF BLOCKING AT LOCATIONS OF
- WALL-MOUNTED STANDARDS. SHELVING AND COUNTERS. BACKING SHALL BE MOUNTED OVER FACE OF STUDS BENEATH GYPSUM BOARD AND
- SHALL BE CONTINUOUS OVER ENTIRE PLANE OF WALL; 1/2 INCH THICKNESS. SECURE BACKING WITH ALL EDGES ON FIRM BEARING. SHEET:

BELLEVUE, WA 98006

www.t-mobile.com

State License #

Firm's License #

DESCRIPTION BUILDING DEPARTMENT

81008

S | 80 MDC CORPORATE - RELO

DATE: 12/19/2017 SCALE: DRAWN BY TMO364 PROJECT No.

DESIGN DEVELOPMENT

DIVISION 6 - WOOD AND PLASTIC, CONT.

- SECTION 061643 GYPSUM SHEATHING
- A. SUMMARY: 1. SHEATHING USED IN LIEU OF PLYWOOD IN NON-COMBUSTIBLE BUILDING CONSTRUCTION.
- B. MATERIALS SCREWS: GALVANIZED: SELF-DRILLING: SELF-DRILLING. BUGLE HEAD SCREWS: MINIMUM 1-1/4 INCH LONG.
- 2. GYPSUM SHEATHING: ONE OF THE FOLLOWING: a. G-P GYPSUM CORPORATION "DENS-GLASS GOLD;" GLASS MAT FACED; ASTM C1177; 1/2
- b. USG FIBEROCK BRAND SHEATHING WITH AQUA-TOUGH(TM); 1/2 INCH THICK.
- INSTALLATION: INSTALL SQUARE EDGE BOARDS PARALLEL OR PERPENDICULAR TO FRAMING. INSTALL
- BOARDS PARALLEL TO FRAMING AT FIRE RATED WALLS. APPLY SHEATHING WITH JOINTS STAGGERED. ALL EDGES SHALL BE FIRMLY SUPPORTED.
- SCREW TO FRAMING. SPACE FASTENERS 8 INCHES O.C. IN FIELD AND 4 INCHES O.C. AT ENDS ALONG EACH FRAMING MEMBER.

DO NOT BRIDGE EXPANSION OR SEISMIC JOINTS

DIVISION 7 - THERMAL AND MOISTURE, CONT.

072100 THERMAL INSULATION A. SUMMARY: BUILDING INSULATION WHEN INDICATED ON THE DRAWINGS.

INSTALL SHEATHING WITH COATING TOWARDS EXTERIOR.

- B. MATERIALS UNFACED BATT AND BLANKET INSULATION: ASTM C665. TYPE I: PREFORMED UNFACED GLASS FIBER ROLL; FLAME SPREAD OF 25 OR LESS AND SMOKE DEVELOPED OF 50 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84:OVERSIZE WIDTHS FOR
- FRICTION-FIT BETWEEN METAL FRAMING. BOARD INSULATION: EXTRUDED POLYSTYRENE; DOW CHEMICAL COMPANY "STYROFOAM" OR OWENS CORNING "FOAMULAR 250."
- ACCESSORIES: SEPARATE VAPOR BARRIER FOR BATT INSULATION: FOIL SCRIM KRAFT FSK 25; FLAME SPREAD OF 25 OR LESS AND A SMOKE DEVELOPED OF 50 OR LESS WHEN TESTED IN
- ACCORDANCE WITH ASTM F84. TAPE: TO MATCH INSULATION FACING; 2 INCH WIDTH.
- ACOUSTIC INSULATION: SEE SECTION 098100.
- D. INSTALLATION: INSTALL INSULATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS
- AND AS INDICATED. TRIM INSULATION NEATLY TO FIT SPACES. INSTALL WITHOUT GAPS OR VOIDS.
- INSTALLATION OF THERMAL BATT INSULATION: INSTALL INSULATION WITH VAPOR BARRIER TOWARD WARM SIDE OF BUILDING SPACES. VAPOR BARRIER SHALL BE CONTINUOUS. TAPE SEAL TEARS OR CUTS IN VAPOR BARRIER.
- b. AT METAL STUD FRAMING, INSERT THE INSULATION EDGES TIGHTLY INTO THE STUD CHANNELS FOR A FRICTION FIT. WHERE INSULATION BUTTS THE BACKSIDE OF STUD CHANNELS, CONTINUOUSLY TAPE INSULATION FLANGES TO THE EXPOSED METAL STUD
- MECHANICAL FASTENING: 4. AT LOCATIONS WHERE NO FRAMING IS PRESENT TO SUPPORT THE INSULATION. PROVIDE METAL IMPALING PINS AND RETAINERS TO HOLD THE INSULATION FIRMLY IN
- MECHANICALLY OR ADHESIVELY BOND THE RETAINING PINS TO THE SUBSTRATE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- SPACE PINS AT MAXIMUM 24 INCHES ON CENTER ALONG THE EDGES AND WITHIN THE FIELD OF THE BLANKET. PLACE EDGE PINS WITHIN 6 INCHES FROM THE EDGE OF THE
- a. PACK BATT INSULATION IN SHIM SPACES AT PERIMETER OF WINDOW ASSEMBLY TO MAINTAIN CONTINUITY OF THERMAL BARRIER.
- SEPARATE VAPOR BARRIER INSTALLATION:
- INSTALL SEPARATE VAPOR BARRIER OVER UNFACED INSULATION. INSTALL VAPOR BARRIER TOWARD WARM SIDE OF BUILDING SPACES.
- VAPOR BARRIER SHALL BE CONTINUOUS.
- 1. AT LOCATIONS WHERE INSULATION IS MECHANICALLY FASTENED BY IMPALING PINS. PLACE VAPOR RETARDER OVER IMPALING PINS AND HOLD IN POSITION WITH ADDITIONA RETAINERS. THE INSTALLATION SHALL PRESENT A TIGHT, CONTINUOUS, AND WRINKLE FREE APPEARANCE.
- e. AT LIGHT GA SUPPORT FRAMING, SECURE TO STUDS WITH DOUBLE STICK TAPE OR SPRAY ADHESIVE.
- LAP JOINTS IN VAPOR BARRIER 2 INCHES, EXCEPT PROVIDE TAPE SEALED JOINTS AT LOCATIONS WHERE VAPOR BARRIER WILL REMAIN EXPOSED IN THE FINISHED WORK. TAPE SEAL VAPOR BARRIER TO ADJACENT CONSTRUCTION AT PERIMETER EDGES. h. TAPE AND SEAL TEARS OR CUTS IN VAPOR BARRIER.
- A. "R" VALUE SCHEDULE: 1. BATT INSULATION: PROVIDE MINIMUM 6 INCH INSULATION THICKNESS (R19) TO FILL STUD CAVITY OR GREATER TO MATCH EXISTING IN SIMILAR APPLICATIONS, OR AS INDICATED ON THE DRAWINGS.
- RIGID INSULATION: PROVIDE MINIMUM 2 INCH INSULATION THICKNESS (R10) OR TO MATCH EXISTING IN SIMILAR APPLICATIONS.

072401 DIRECT APPLIED EXTERIOR FINISH SYSTEM (DEFS) A. SUMMARY:

- 1. WHERE CEMENT PLASTER IS INDICATED ON THE DRAWINGS OVER EXISTING CMU, PROVIDE DIRECT APPLIED EXTERIOR FINISH SYSTEM (DEFS) OVER EXISTING CONCRETE MASONRY UNITS AS SPECIFIED. **B. APPLICATOR QUALIFICATIONS:**
- MINIMUM OF 5 YEARS EXPERIENCE IN THE APPLICATION OF DEFS OF SIMILAR SCOPE
- TO THE WORK INDICATED. INSTALLER SHALL HAVE BEEN TRAINED BY THE PRODUCT MANUFACTURER PRIOR TO BIDDING, AND SHALL BE CURRENTLY APPROVED BY THE MANUFACTURER TO INSTALL
- WARRANTABLE DEFS SYSTEM AS SPECIFIED. PROTECTION: PROTECT ADJACENT MATERIALS AND THIS SYSTEM FROM DAMAGE DURING INSTALLATION, WHILE CURING OR WHEN UNATTENDED. D. APPROVED MANUFACTURERS:
- 1. DRYVIT SYSTEMS INC. STO INDUSTRIES, INC.
- SENERGY, INC.

b. CORNER BEAD: CB158E.

- E. MATERIALS:
- PROVIDE MANUFACTURER'S STANDARD MATERIALS AS RECOMMENDED FOR THE
- BASE COAT: MANUFACTURER'S STANDARD POLYMER MODIFIED CEMENTITIOUS BASE COAT; MAXIMUM 30% CEMENT; DRY FACTORY PRE-MIXED FORMULA, OR PRE-MEASURED PACKAGED MATERIALS FOR CONSISTENT SITE MIXING.
- FINISH COAT: MANUFACTURER'S STANDARD; 100% ACRYLIC; CUSTOM INTEGRAL COLOR AS SELECTED BY THE ARCHITECT; LISTED BY UNDERWRITER'S LABORATORIES, INC. AS HAVING A FLAME SPREAD OF 25 OR LESS.
- REINFORCING MESH: MANUFACTURER'S STANDARD ALKALINE RESISTANT OPEN
- WEAVE GLASS FIBER MESH; STANDARD DUTY AND HEAVY DUTY. SUBSTRATE MESH TAPE: ALKALINE RESISTANT OPEN WEAVE GLASS FIBER MESH SURFACED ON ONE SIDE WITH PRESSURE SENSITIVE ADHESIVE; TYPE AS
- RECOMMENDED BY SYSTEM MANUFACTURER. DEFS TRIM: a. PRODUCTS OF VINYL CORPORATION (800-648-4695) ARE LISTED AS A STANDARD OF APPROVAL. SIMILAR AND EQUAL PRODUCTS BY PLASTIC COMPONENTS (800-327-7077) MAY BE USED. FABRICATE FROM EXTERIOR GRADE VINYL; PROVIDE MANUFACTURER'S STANDARD SPLICE PLATES AND CONNECTOR CLIPS FOR BUTT JOINT CONNECTIONS.
- PROTECT ADJACENT SURFACES FROM CONTACT WITH OVERSPRAY AND SPATTER OF
- PRIMERS, ADHESIVES, AND FINISH COATS. AT CONCRETE AND CMU SURFACES TO RECEIVE FINISH COAT ONLY, REMOVE ALL DIRT, DUST, FORM RELEASE AGENTS, EFFLORESCENCE, AND OTHER ELEMENTS WHICH WOULD IMPAIR BOND. ACID ETCH WITH MURIATIC ACID.
- INSTALL DEFS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE FINISH COAT ONLY OVER EXISTING CONCRETE BLOCK SURFACES AS
- INDICATED ON THE DRAWINGS. FINISH COATING SHALL BE APPLIED AS RECOMMENDED BY THE EXTERIOR INSULATION AND FINISH SYSTEM MANUFACTURER.

DIVISION 7 - THERMAL AND MOISTURE, CONT.

- TROWEL APPLY SKIM COAT OF MANUFACTURER'S RECOMMENDED FIBER REINFORCED POLYMER MODIFIED MORTAR TO OBTAIN SMOOTH AND FLAT SURFACES WITHIN A TOLERANCE OF 1/8 INCH IN 10 FEET, AND TO FILL SURFACE IMPERFECTIONS, USE BONDING AGENT AS NECESSARY FOR ADEQUATE BOND. APPLY COLOR MATCH PRIMER.
- 8. PROVIDE FINISH COAT TO MATCH EXISTING. G. CLEAN-UP: REMOVE DIRT AND STAINS FROM DEFS SURFACES AND ADJACENT SURFACES WITHOUT DAMAGING FINISHES.

07241 EXTERIOR INSULATION AND FINISH SYSTEMS - CLASS PB

- A. SUMMARY THIS SECTION INCLUDES CLASS PB EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) [WITH DRAINAGE] APPLIED OVER SUBSTRATE AS INDICATED ON DRAWINGS. USE, MANUFACTURER, EXTENT, TEXTURE AND COLOR ARE SUBJECT TO T-MOBILE
- REVIEW AND APPROVAL
- 2. ACCEPTABLE SUBSTRATES FOR OUTSULATION SYSTEMS. UNGLAZED BRICK, CEMENT PLASTER, CONCRETE, OR MASONRY. EXTERIOR GRADE GYPSUM SHEATHING MEETING ASTM C79 REQUIREMENTS FOR WATER-RESISTANT CORE OR TYPE X CORE AT THE TIME OF APPLICATION OF THE
- OUTSULATION SYSTEM. SILICONE TREATED GYPSUM CORE SHEATHING SURFACED WITH INORGANIC FIBERGLASS
- MATS MEETING ASTM C1177.
- EXTERIOR FIBER REINFORCED CEMENT AND CALCIUM SILICATE BOARDS. APA EXTERIOR OR EXPOSURE 1 RATED PLYWOOD. GRADE C-D OR BETTER, NOMINAL 13 MM (1/2 IN.), MINIMUM PLY.
- APA EXPOSURE 1 RATED ORIENTED STRAND BOARD (OSB), NOMINAL 13 MM (1/2 IN.) GALVANIZED EXPANDED METAL LATH 1.4 OR 1.8 KG/M2 (2.6 OR 3.3 LBS/YD2) INSTALLED
- OVER A SOLID SUBSTRATE. DEFLECTION OF SUBSTRATE SYSTEMS SHALL NOT EXCEED L/240. THE SLOPE OF INCLINED SURFACES SHALL NOT BE LESS THEN 6:12.
- THE LENGTH OF INCLINED SURFACES SHALL NOT EXCEED 305 MM (12IN). B. PERFORMANCE REQUIREMENTS
- CLASS PB EIFS: COMPLY WITH PERFORMANCE CHARACTERISTICS IN EIMA'S "EIMA GUIDELINE SPECIFICATION FOR EXTERIOR INSULATION AND FINISH SYSTEMS, CLASS
- STANDARD IMPACT RESISITANCE: 25-49 INCH-LB (2.8-5.6 J) FOR AREAS ABOVE 7'-0." HIGH IMPACT RESISTANCE: 90-150 INCH-LB (10.2 - 17 J) FOR AREAS BELOW 7'-0." POSITIVE AND NEGATIVE WIND-LOAD PERFORMANCE: CAPABILITY TO WITHSTAND WIND
- LOADS INDICATED WHEN TESTED PER ASTM E 330. 2. DRAINAGE: 3 SAMPLES CAPABLE OF DRAINING WATER, AND HAVING AN AVERAGE MINIMUM TRUE DRAINAGE EFFICIENCY OF [90] PERCENT WHEN TESTED PER EIMA 200.2.
- WATER-/WEATHER-RESISTIVE-BARRIER COATING: COMPLY WITH ICBO-ES AC24. C. SUBMITTALS PRODUCT DATA: FOR EACH PRODUCT INDICATED.
- SHOP DRAWINGS: INCLUDE PLANS, ELEVATIONS, SECTIONS, DETAILS, PENETRATIONS, TERMINATIONS, FASTENERS, AND ATTACHMENTS TO OTHER WORK.
- SAMPLES: FOR EACH EIFS AND FOR EACH COLOR AND TEXTURE REQUIRED. FIELD QUALITY-CONTROL TEST REPORTS.
- PRODUCT [TEST REPORTS].
- MAINTENANCE DATA.
- A. QUALITY ASSURANCE
- INSTALLER QUALIFICATIONS: CERTIFIED IN WRITING BY EIFS MANUFACTURER TO INSTALL MANUFACTURER'S SYSTEM USING TRAINED WORKERS.
- SOURCE LIMITATIONS: OBTAIN EIFS THROUGH ONE SOURCE FROM A SINGLE EIFS MANUFACTURER AND FROM SOURCES APPROVED BY EIFS MANUFACTURER AS
- COMPATIBLE WITH SYSTEM COMPONENTS. FIRE-TEST-RESPONSE CHARACTERISTICS: WHERE INDICATED, PROVIDE EIFS AND SYSTEM COMPONENTS IDENTICAL TO THOSE OF EIFS AND SYSTEM COMPONENTS TESTED PER TEST METHOD INDICATED BELOW BY UL OR ANOTHER TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION, IDENTIFY PRODUCTS WITH APPROPRIATE MARKINGS OF APPLICABLE TESTING AND INSPECTING
- AGENCY. FLAME SPREAD OF INSULATION BOARD AND FINISH COATS: 25 OR LESS WHEN TESTED INDIVIDUALLY PER ASTM E 84.
- SMOKE DEVELOPED OF INSULATION BOARD AND FINISH COATS; 450 OR LESS WHEN TESTED INDIVIDUALLY PER ASTM E 84.
- MANUFACTURERS AVAILABLE MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS. MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE
- WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:
- DRYVIT SYSTEMS, INC. SENERGY INC.; SKW-MBT CONSTRUCTION CHEMICALS.
- STO CORP. BASIS-OF-DESIGN PRODUCT: THE DESIGN FOR EIFS[WITH DRAINAGE] IS BASED ON DRYVIT OUTSULATION SYSTEM REQUIREMENTS. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE THE NAMED PRODUCT OR A COMPARABLE PRODUCT BY
- ONE OF THE FOLLOWING MANUFACTURERS LISTED ABOVE. MATERIALS COMPATIBILITY: PROVIDE SUBSTRATES, ADHESIVE, FASTENERS, BOARD INSULATION, REINFORCING MESHES, BASE- AND FINISH-COAT SYSTEMS, SEALANTS, AND
- ACCESSORIES THAT ARE COMPATIBLE WITH ONE ANOTHER AND APPROVED FOR USE BY EIFS MANUFACTURER FOR PROJECT. WATER-/WEATHER-RESISTIVE-BARRIER COATING: FORMULATION AND ACCESSORIES
- DESIGNED FOR INDICATED USE. PRIMER/SEALER: SUBSTRATE CONDITIONER DESIGNED TO SEAL SUBSTRATES FROM MOISTURE PENETRATION AND TO IMPROVE THE BOND BETWEEN SUBSTRATE OF TYPE
- INDICATED AND ADHESIVE USED FOR APPLICATION OF INSULATION. 4. DRAINAGE MAT: DESIGNED TO DRAIN INCIDENTAL MOISTURE BY GRAVITY; EIFS MANUFACTURER'S STANDARD OR PRODUCT RECOMMENDED IN WRITING BY EIFS MANUFACTURER [WITH MANUFACTURER'S STANDARD CORROSION-RESISTANT
- MECHANICAL FASTENERS SUITABLE FOR INTENDED SUBSTRATE]. SPACERS: FURRING STRIPS; EIFS MANUFACTURER'S STANDARD OR PRODUCT RECOMMENDED IN WRITING BY EIFS MANUFACTURER [WITH MANUFACTURER'S STANDARD CORROSION-RESISTANT MECHANICAL FASTENERS SUITABLE FOR
- ADHESIVE FOR APPLICATION OF INSULATION: MFR'S STANDARD. MOLDED, RIGID CELLULAR POLYSTYRENE BOARD INSULATION: COMPLY WITH EIFS MANUFACTURER'S REQUIREMENTS, ASTM C 578 FOR TYPE I, AND EIMA'S "EIMA GUIDELINE SPECIFICATION FOR EXPANDED POLYSTYRENE (EPS) INSULATION BOARD."
- CHANNELED BOARD INSULATION: EIFS MANUFACTURER'S STANDARD FACTORY-FABRICATED PROFILE WITH LINEAR VERTICAL DRAINAGE CHANNELS, SLOTS, OR WAVES ON THE BACK SIDE OF BOARD.
- 8. REINFORCING MESH: BALANCED, ALKALI-RESISTANT, OPEN-WEAVE GLASS-FIBER MESH TREATED FOR COMPATIBILITY WITH OTHER EIFS MATERIALS AND COMPLYING WITH EIMA 105.01 AND ASTM D 578.
- STANDARD-IMPACT REINFORCING MESH: NOT LESS THAN [4.0 OZ./SQ. YD. (136 G/SQ. M)] HIGH-IMPACT REINFORCING MESH: NOT LESS THAN [15 OZ./ SQ. YD. (509 G/SQ. M)] 7'-0"
- DETAIL REINFORCING MESH: NOT LESS THAN [4.0 OZ./SQ. YD. (136 G/SQ. M)]. CORNER REINFORCING MESH: NOT LESS THAN [7.2 OZ./SQ. YD. (244 G/SQ. M)]. BASE-COAT MATERIALS: STANDARD MIXTURE.
- WATERPROOF ADHESIVE/BASE-COAT MATERIALS: WATERPROOF MIXTURE. 11. PRIMER: FACTORY-MIXED ELASTOMERIC-POLYMER PRIMER FOR PREPARING BASE-COAT SURFACE FOR APPLICATION OF FINISH COAT. 12. FINISH-COAT MATERIALS: [STANDARD ACRYLIC-BASED COATING WITH ENHANCED
- MILDEW RESISTANCE].COLORS, TEXTURES, AND PATTERNS: REFERENCE EXTERIOR FINISH SCHEDULE ON DRAWINGS.
- 13. MECHANICAL FASTENERS: CORROSION-RESISTANT FASTENERS CONSISTING OF THERMAL CAP, STANDARD WASHER AND SHAFT ATTACHMENTS, AND FASTENER SUITABLE FOR SUBSTRATE.
- TRIM ACCESSORIES: MANUFACTURED FROM UV-STABILIZED PVC AND COMPLYING WITH ASTM D 1784 AND ASTM C 1063. A. INSTALLATION
- GENERAL: COMPLY WITH ASTM C 1397 AND EIFS MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSTALLATION OF EIFS AS APPLICABLE TO EACH TYPE OF SUBSTRATE INDICATED.
- INSULATION: [ADHESIVELY AND MECHANICALLY] ATTACH TO SUBSTRATE EXPANSION JOINTS: INSTALL AT LOCATIONS INDICATED; WHERE REQUIRED BY EIFS MANUFACTURER; WHERE EXPANSION JOINTS ARE INDICATED IN SUBSTRATES BEHIND EIFS; WHERE EIFS ADJOIN DISSIMILAR SUBSTRATES, MATERIALS, AND CONSTRUCTION; AT FLOOR LINES IN MULTILEVEL WOOD-FRAMED CONSTRUCTION; AND WHERE WALL HEIGHT CHANGES.

DIVISION 7 - THERMAL AND MOISTURE, CONT.

- BASE COAT: APPLY TO EXPOSED SURFACES OF INSULATION IN MINIMUM THICKNESS RECOMMENDED IN WRITING BY EIFS MANUFACTURER, BUT NOT LESS THAN [1/16-INCH (1.6-MM)] DRY-COAT THICKNESS.
- REINFORCING MESH: COMPLETELY EMBED MESH IN WET BASE COAT, APPLYING ADDITIONAL BASE-COAT MATERIAL IF NECESSARY, SO REINFORCING-MESH COLOR

DOUBLE BASE-COAT APPLICATION: WHERE INDICATED, APPLY IN SAME MANNER AND

- AND PATTERN ARE NOT VISIBLE.
- DOUBLE-LAYER REINFORCING MESH APPLICATION: WHERE INDICATED, APPLY SECOND BASE COAT AND SECOND LAYER OF ISTANDARDI IMPACT REINFORCING MESH.
- THICKNESS AS FIRST APPLICATION EXCEPT WITHOUT REINFORCING MESH. FINISH COAT: APPLY OVER DRY [PRIMER] AND [BASE COAT], MAINTAINING A WET EDGE AT ALL TIMES FOR UNIFORM APPEARANCE, IN THICKNESS REQUIRED BY EIFS MANUFACTURER TO PRODUCE A UNIFORM FINISH OF COLOR AND TEXTURE MATCHING APPROVED SAMPLE AND FREE OF COLD JOINTS, SHADOW LINES, AND TEXTURE
- H. FIELD QUALITY CONTROL THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER APPLICATION OF THE OUTSULATION MATERIALS.

VARIATIONS. (FINE SAND TEXTURED FINISH).

- MANUFACTURER ASSUMES NO RESPONSIBILITY FOR ON-SITE INSPECTIONS OR APPLICATION OF ITS PRODUCTS.
- IF REQUIRED, THE CONTRACTOR SHALL CERTIFY IN WRITING THE QUALITY OF WORK PERFORMED RELATIVE TO THE SUBSTRATE SYSTEM, DETAILS, INSTALLATION PROCEDURES, WORKMANSHIP AND AS TO THE SPECIFIC PRODUCTS USED.
- IF REQUIRED, THE EPS SUPPLIER SHALL CERTIFY IN WRITING THA THE EPS MEETS MANUFACTURER'S SPECIFICATIONS. IF REQUIRED. THE SEALANT CONTRACTOR SHALL CERTIFY IN WRITING THAT THE SEALANT APPLICATION IS IN ACCORDANCE WITH THE SEALANT MANUFACTURER'S AND
- MANUFACTURER'S RECOMMENDATIONS. CLEANING ALL EXCESS OUTSULATION SYSTEM MATERIALS SHALL BE REMOVED FROM THE JOB
- REQUIRED BY APPLICABLE LAW. ALL SURROUNDING AREAS, WHERE THE OUTSULATION SYSTEM HAS BEEN INSTALLED SHALL BE LEFT FREE OF DEBRIS AND FOREIGN SUBSTANCES RESULTING FROM THE CONTRACTOR'S WORK.

SITE BY THE CONTRACTOR IN ACCORDANCE WITH CONTRACT PROVISIONS AND AS

- PROTECTION THE OUTSULATION SYSTEM SHALL BE PROTECTED FROM INCLEMENT WEATHER AND OTHER SOURCES OF DAMAGE UNTIL DRY AND PERMANENT PROTECTION IN THE FORM
- OF FLASHINGS, SEALANTS, ETC. ARE INSTALLED. SECTION 07415 - COMPOSITE WALL PANELS OR BRAKE METAL (IF NOTED ON DRAWINGS) A. PERFORMANCE REQUIREMENTS
- DELEGATED DESIGN: DESIGN METAL-FACED COMPOSITE WALL PANEL OR BRAKE METAL ASSEMBLY, INCLUDING COMPREHENSIVE ENGINEERING ANALYSIS BY A QUALIFIED PROFESSIONAL ENGINEER.STRUCTURAL PERFORMANCE: PROVIDE METAL-FACED COMPOSITE WALL PANEL ASSEMBLIES CAPABLE OF WITHSTANDING THE EFFECTS OF THE FOLLOWING LOADS AND STRESSES WITHIN LIMITS AND UNDER CONDITIONS INDICATED, BASED ON TESTING ACCORDING TO ASTM E 330: WIND LOADS: DETERMINE LOADS BASED ON THE FOLLOWING MINIMUM DESIGN WIND
- PRESSURES: 20 LBF/SQ. FT. UNIFORM PRESSURE OF ACTING (957 PA) INWARD OR DEFLECTION LIMITS: METAL-FACED COMPOSITE WALL PANEL ASSEMBLIES SHALL WITHSTAND WIND LOADS WITH HORIZONTAL DEFLECTIONS NO GREATER THAN [1/175]
- OF THE SPAN AT THE PERIMETER AND 1/60 OF THE SPAN ANYWHERE IN THE PANEL] < OF THE SPAN.
- PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED. SHOP DRAWINGS: SHOW FABRICATION AND INSTALLATION LAYOUTS OF METAL-FACED COMPOSITE WALL PANELS; DETAILS OF EDGE CONDITIONS, JOINTS, PANEL PROFILES, CORNERS, ANCHORAGES, ATTACHMENT SYSTEM, TRIM, FLASHINGS, CLOSURES, AND ACCESSORIES; AND SPECIAL DETAILS. DISTINGUISH AMONG FACTORY-, SHOP-, AND
- FIELD-ASSEMBLED WORK. SAMPLES: FOR EACH TYPE OF EXPOSED FINISH REQUIRED. DELEGATED-DESIGN SUBMITTAL: FOR METAL-FACED COMPOSITE WALL PANEL ASSEMBLY INDICATED TO COMPLY WITH PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA, INCLUDING ANALYSIS DATA AND CALCULATIONS SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION. COORDINATION DRAWINGS: EXTERIOR ELEVATIONS, DRAWN TO SCALE, ON WHICH THE
- FOLLOWING ITEMS ARE SHOWN AND COORDINATED WITH EACH OTHER. QUALITY ASSURANCE MANUFACTURER QUALIFICATIONS: MINIMUM 5 YEARS CONTINUOUS EXPERIENCE MANUFACTURING THE PANEL MATERIAL SPECIFIED, WITH NO OUTSOURCED
- PRODUCTION PROCESSES.ISO 9001 CERTIFIED. FABRICATOR QUALIFICATIONS: MINIMUM 3 YEARS EXPERIENCE ON PROJECTS OF COMPARABLE SCOPE AND SCALE, AND CAPABLE OF PROVIDING FIELD SERVICE REPRESENTATION DURING CONSTRUCTION. INSTALLER QUALIFICATIONS: MINIMUM 3 YEARS EXPERIENCE ON PROJECTS OF COMPARABLE SCOPE AND SCALE, AND CAPABLE OF PROVIDING FIELD SERVICE REPRESENTATION DURING CONSTRUCTION. FIRE-RESISTANCE RATINGS: WHERE INDICATED, PROVIDE METAL-FACED COMPOSITE

WALL PANELS IDENTICAL TO THOSE OF ASSEMBLIES TESTED FOR FIRE RESISTANCE

- PER ASTM E 119 BY A QUALIFIED TESTING AGENCY. IDENTIFY PRODUCTS WITH APPROPRIATE MARKINGS OF APPLICABLE TESTING AGENCY. 1. SPECIAL WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AGREES TO REPAIR OR REPLACE COMPONENTS OF METAL-FACED COMPOSITE WALL PANEL ASSEMBLIES THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED
- WARRANTY PERIOD. WARRANTY PERIOD: ITENI YEARS FROM DATE OF SUBSTANTIAL COMPLETION. SPECIAL WARRANTY ON PANEL FINISHES: MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AGREES TO REPAIR FINISH OR REPLACE METAL-FACED COMPOSITE WALL PANELS THAT SHOW EVIDENCE OF DETERIORATION OF FACTORY -APPLIED FINISHES WITHIN SPECIFIED WARRANTY PERIOD.

4. FINISH WARRANTY PERIOD: [20] > YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

- E. PRODUCTS PANEL MATERIALS. a. ALUMINUM SHEET: COIL-COATED SHEET, ASTM B 209), ALLOY AS STANDARD WITH MANUFACTURER, WITH TEMPER AS REQUIRED TO SUIT FORMING OPERATIONS AND
- STRUCTURAL PERFORMANCE REQUIRED. SURFACE: SMOOTH, FLAT FINISH.
- EXPOSED COIL-COATED FINISHES: a. TWO-COAT FEVE FLUOROPOLYMER: AAMA 620.
- b. TWO-COAT PVDF FLUOROPOLYMER: AAMA 620. EXPOSED ANODIZED FINISHES: a. COLOR ANODIC FINISH: AAMA 611, [AA-M12C22A42/A44, CLASS I, 0.018 MM]
- [AA-M12C22A32/A34, CLASS II, 0.010 MM] OR THICKER. CONCEALED FINISH: APPLY PRETREATMENT AND MANUFACTURER'S STANDARD WHITE OR LIGHT-COLORED ACRYLIC OR POLYESTER BACKER FINISH, CONSISTING OF PRIME COAT AND WASH COAT 0.5 MIL WITH A MINIMUM TOTAL DRY FILM THICKNESS OF . (0.013
- 5. PANEL SEALANTS: ASTM C 920. F. MISCELLANEOUS METAL FRAMING MISCELLANEOUS METAL FRAMING, GENERAL: ASTM C 645, COLD-FORMED METALLIC-COATED STEEL SHEET, [ASTM A 653 /A 653M, G40 (Z120) HOT-DIP

ZEE CLIPS: 0.079-INCH (2.01-MM) NOMINAL THICKNESS.

- GALVANIZED] OR COATING WITH EQUIVALENT CORROSION RESISTANCE UNLESS OTHERWISE INDICATED. SUBGIRTS: MANUFACTURER'S STANDARD C- OR Z-SHAPED SECTIONS 0.064-INCH (1.63-MM) NOMINAL THICKNESS.
- BASE OR SILL [ANGLES] [CHANNELS]: 0.079-INCH (2.01-MM) NOMINAL THICKNESS. HAT-SHAPED, RIGID FURRING CHANNELS: NOMINAL THICKNESS: [AS INDICATED] [AS REQUIRED TO MEET PERFORMANCE REQUIREMENTS] [0.025 INCH (0.64MM)] > DEPTH:
- [AS INDICATED] [1-1/2 INCHES (38 MM)] COLD-ROLLED FURRING CHANNELS: MINIMUM 1/2-INCH- (13-MM-) WIDE FLANGE. NOMINAL THICKNESS: [AS INDICATED] [AS REQUIRED TO MEET PERFORMANCE REQUIREMENTS] [0.064 INCH (1.63MM)]< DEPTH: [AS INDICATED] [3/4 INCH (19 MM)] <
- NOMINAL THICKNESS OF 0.040 INCH (1.02 . MM) TIE WIRE: ASTM A 641/A 641M, CLASS 1 ZINC COATING, SOFT TEMPER, 0.062-INCH-(1.57-MM-) DIAMETER WIRE, OR DOUBLE STRAND OF 0.048-INCH- (1.22-MM-)

FURRING BRACKETS: ADJUSTABLE, CORRUGATED-EDGE TYPE OF STEEL SHEET WITH

DIAMETER WIRE. G. MISCELLANEOUS MATERIALS

ALUMINUM EXTRUSIONS: ASTM B 221 FASTENERS: SELF-TAPPING SCREWS, BOLTS, NUTS, SELF-LOCKING RIVETS AND BOLTS, END-WELDED STUDS, AND OTHER SUITABLE FASTENERS DESIGNED TO WITHSTAND DESIGN LOADS. PROVIDE EXPOSED FASTENERS WITH HEADS MATCHING COLOR OF METAL-FACED COMPOSITE WALL PANELS BY MEANS OF PLASTIC CAPS OR FACTORY-APPLIED COATING. PROVIDE EPDM, PVC, OR NEOPRENE SEALING WASHERS. NO VISIBLE MECHANICAL FASTENERS.

DIVISION 7 - THERMAL AND MOISTURE, CONT.

- METAL-FACED COMPOSITE WALL PANELS OR BRAKE METAL GENERAL: PROVIDE FACTORY-FORMED AND -ASSEMBLED, METAL-FACED COMPOSITE WALL PANELS FABRICATED FROM TWO METAL FACINGS BONDED, USING NO GLUES OR ADHESIVES, TO SOLID, EXTRUDED THERMOPLASTIC CORE; FORMED INTO PROFILE FOR INSTALLATION METHOD INDICATED. INCLUDE ATTACHMENT SYSTEM COMPONENTS
- FIRE-RETARDANT CORE: NONCOMBUSTIBLE, WITH THE FOLLOWING SURFACE-BURNING CHARACTERISTICS AS DETERMINED BY TESTING IDENTICAL PRODUCTS PER ASTM E 84 BY UL OR ANOTHER TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION:
- FLAME-SPREAD INDEX: 25 OR LESS.
- SMOKE-DEVELOPED INDEX: 450 OR LESS. BASIS-OF-DESIGN PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ALPOLIC, DIVISION OF MITSUBISHI CHEMICAL AMERICA, INC.; [ALPOLIC] [ALPOLIC/FR] OR A COMPARABLE PRODUCT FROM ONE OF THE FOLLOWING:

AND ACCESSORIES REQUIRED FOR WEATHERTIGHT SYSTEM.

- a. ALCAN COMPOSITES USA INC.; [ALUCOBOND] AMERICAN PRODUCTS, INC.: [API]
- c. ALCOA INC.; REYNOBOND [PE] 6. ALUMINUM-FACED COMPOSITE WALL PANELS: FORMED WITH 0.020-INCH- (0.50-MM-)
- THICK, COIL-COATED, ALUMINUM SHEET FACINGS. a. PANEL THICKNESS: [0.157 INCH (4 MM)] - 20G STEEL INTERIOR APPLICATION / 18G STEEL
- EXTERIOR APPLICATION
- b. EXTERIOR FINISH: 2-COAT FLUOROPOLYMER (TIGER DRYLAC OR EQUAL) c. COLOR: AS NOTED ON DRAWINGS.
- d. ATTACHMENT SYSTEM COMPONENTS: FORMED FROM MATERIAL COMPATIBLE WITH PANEL FACING.
- ACCESSORIES WALL PANEL ACCESSORIES: PROVIDE COMPONENTS REQUIRED FOR A COMPLETE METAL-FACED COMPOSITE WALL PANEL ASSEMBLY INCLUDING TRIM, COPINGS, FASCIA. MULLIONS, SILLS, CORNER UNITS, CLIPS, FLASHINGS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS. MATCH MATERIAL AND FINISH OF METAL-FACED COMPOSITE WALL PANELS UNLESS OTHERWISE INDICATED.
- FLASHING AND TRIM: FORMED FROM 0.018-INCH- (0.46-MM-) MINIMUM THICKNESS, ZINC-COATED (GALVANIZED) STEEL SHEET OR ALUMINUM-ZINC ALLOY-COATED STEEL SHEET PREPAINTED WITH COIL COATING. PROVIDE FLASHING AND TRIM AS REQUIRED TO SEAL AGAINST WEATHER AND TO PROVIDE FINISHED APPEARANCE. LOCATIONS INCLUDE, BUT ARE NOT LIMITED TO, BASES, DRIPS, SILLS, JAMBS, CORNERS, ENDWALLS, FRAMED OPENINGS, RAKES, FASCIA, PARAPET CAPS, SOFFITS, REVEALS, AND FILLERS. FINISH FLASHING AND TRIM WITH SAME FINISH SYSTEM AS ADJACENT
- METAL-FACED COMPOSITE WALL PANELS. FABRICATION GENERAL: FABRICATE AND FINISH METAL-FACED COMPOSITE WALL PANELS AND ACCESSORIES AT THE FACTORY TO GREATEST EXTENT POSSIBLE, BY MANUFACTURER'S STANDARD PROCEDURES AND PROCESSES, AS NECESSARY TO FULFILL INDICATED PERFORMANCE REQUIREMENTS DEMONSTRATED BY LABORATORY TESTING. COMPLY WITH INDICATED PROFILES AND WITH DIMENSIONAL AND
- STRUCTURAL REQUIREMENTS. FABRICATE METAL-FACED COMPOSITE WALL OR BRAKE METAL PANELS IN A MANNER THAT ELIMINATES CONDENSATION ON INTERIOR SIDE OF PANEL AND WITH JOINTS BETWEEN PANELS DESIGNED TO FORM WEATHER TIGHT SEALS.
- METAL-FACED COMPOSITE WALL PANELS: FACTORY FORM PANELS IN A CONTINUOUS PROCESS WITH NO GLUES OR ADHESIVES BETWEEN DISSIMILAR MATERIALS. TRIM AND SQUARE EDGES OF SHEETS WITH NO DISPLACEMENT OF FACE SHEETS OR PROTRUSION OF CORE MATERIAL.

FORM PANEL LINES, BREAKS, AND ANGLES TO BE SHARP AND TRUE, WITH SURFACES

DEFLECTION LIMITS, ATTACHED TO BACK OF PANELS WITH STRUCTURAL SILICONE

- FREE FROM WARP AND BUCKLE. FABRICATE PANELS WITH SHARPLY CUT EDGES, WITH NO DISPLACEMENT OF FACE SHEETS OR PROTRUSION OF CORE MATERIAL FABRICATE PANELS WITH PANEL STIFFENERS. AS REQUIRED TO COMPLY WITH
- SEALANT OR BOND TAPE. **DIMENSIONAL TOLERANCES:**
- PANEL BOW: 0.5 PERCENT MAXIMUM OF PANEL LENGTH OR WIDTH. SQUARENESS: 0.25 INCH (5 MM) MAXIMUM. SHEET METAL ACCESSORIES: FABRICATE FLASHING AND TRIM TO COMPLY WITH RECOMMENDATIONS IN SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL" THAT APPLY
- TO DESIGN, DIMENSIONS, METAL, AND OTHER CHARACTERISTICS OF ITEM INDICATED. PREPARATION 1. MISCELLANEOUS FRAMING: INSTALL SUBGIRTS, BASE ANGLES, SILLS, FURRING, AND OTHER MISCELLANEOUS WALL PANEL SUPPORT MEMBERS AND ANCHORAGE ACCORDING TO ASTM C 754 AND METAL-FACED COMPOSITE WALL PANEL
- MANUFACTURER'S WRITTEN INSTRUCTIONS. METAL-FACED COMPOSITE WALL PANEL AND BRAKE METAL INSTALLATION 1. ATTACHMENT SYSTEM INSTALLATION, GENERAL: INSTALL ATTACHMENT SYSTEM REQUIRED TO SUPPORT METAL-FACED COMPOSITE WALL PANELS AND TO PROVIDE A
- COMPLETE WEATHERTIGHT WALL SYSTEM, INCLUDING SUBGIRTS, PERIMETER EXTRUSIONS. TRACKS, DRAINAGE CHANNELS, PANEL CLIPS, AND ANCHOR CHANNELS. INCLUDE ATTACHMENT TO SUPPORTS, PANEL-TO-PANEL JOINERY,
- PANEL-TO-DISSIMILAR-MATERIAL JOINERY, AND PANEL-SYSTEM JOINT SEALS. DO NOT BEGIN INSTALLATION UNTIL WEATHER BARRIER AND FLASHINGS THAT WILL BE CONCEALED BY COMPOSITE PANELS ARE INSTALLED. SEAL HORIZONTAL AND VERTICAL JOINTS BETWEEN ADJACENT PANELS WITH SEALANT
- BACKING AND SEALANT. INSTALL SEALANT BACKING AND SEALANT ACCORDING TO REQUIREMENTS SPECIFIED IN DIVISION 7 SECTION "JOINT SEALANTS." ATTACH ROUTED-AND-RETURNED FLANGES OF WALL PANELS TO PERIMETER EXTRUSIONS WITH MANUFACTURER'S STANDARD FASTENERS. ATTACH FLUSH WALL PANELS TO PERIMETER EXTRUSIONS BY ENGAGING PANEL EDGES AND BY ATTACHING WITH MANUFACTURER'S STANDARD STRUCTURAL SILICONE ADHESIVE. INSTALL WALL PANELS TO ALLOW INDIVIDUAL PANELS TO "FREE FLOAT" AND BE INSTALLED AND REMOVED WITHOUT DISTURBING ADJACENT PANELS. DO NOT APPLY SEALANTS TO
- JOINTS UNLESS OTHERWISE INDICATED ON DRAWINGS. M. ACCESSORY INSTALLATION GENERAL: INSTALL ACCESSORIES WITH POSITIVE ANCHORAGE TO BUILDING AND WEATHERTIGHT MOUNTING AND PROVIDE FOR THERMAL EXPANSION. COORDINATE

FLASHING AND TRIM: COMPLY WITH PERFORMANCE REQUIREMENTS,

INSTALLATION WITH FLASHINGS AND OTHER COMPONENTS. INSTALL COMPONENTS REQUIRED FOR A COMPLETE METAL-FACED COMPOSITE WALL PANEL ASSEMBLY INCLUDING TRIM, COPINGS, CORNERS, SEAM COVERS, FLASHINGS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, FRY REGLETS, AND SIMILAR ITEMS.

"ARCHITECTURAL SHEET METAL MANUAL." PROVIDE CONCEALED FASTENERS WHERE

POSSIBLE, AND SET UNITS TRUE TO LINE AND LEVEL AS INDICATED. INSTALL WORK WITH LAPS, JOINTS, AND SEAMS THAT WILL BE PERMANENTLY WATERTIGHT AND WEATHER RESISTANT. N. ERECTION TOLERANCES

MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AND SMACNA'S

- 1. INSTALLATION TOLERANCES: SHIM AND ALIGN METAL-FACED COMPOSITE WALL PANEL UNITS WITHIN INSTALLED TOLERANCE OF 1/4 INCH IN 20 FEET (6 MM IN 6 M), NONACCUMULATIVE, ON LEVEL, PLUMB, AND
- LOCATION LINES AS INDICATED AND WITHIN 1/8 INCH (3-MM) OFFSET OF ADJOINING FACES AND OF ALIGNMENT OF MATCHING PROFILES. O. CLEANING REMOVE TEMPORARY PROTECTIVE COVERINGS AND STRIPPABLE FILMS, IF ANY, AS METAL-FACED COMPOSITE WALL PANELS ARE INSTALLED UNLESS OTHERWISE INDICATED IN MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. ON

COMPLETION OF METAL-FACED COMPOSITE WALL PANEL INSTALLATION, CLEAN

FINISHED SURFACES AS RECOMMENDED BY PANEL MANUFACTURER. MAINTAIN IN A CLEAN CONDITION DURING CONSTRUCTION.

b. PECORA, 890 ARCHITECTURAL SILICONE SEALANT.

TECHNIQUES OF SEALING, AND FAMILIAR WITH THE PUBLISHED RECOMMENDATIONS OF THE MANUFACTURERS OF THE SEALANTS BEING USED. SEALANTS:

QUALITY ASSURANCE: USE ONLY SKILLED INSTALLERS SPECIALLY TRAINED IN THE

- TYPE S NEUTRAL CURE SILICONE SEALANTS: a. DOW CORNING, 790 SILICONE BUILDING SEALANT, OR 795 SILICONE STRUCTURAL GLAZING AND WEATHERPROOFING SEALANT.
- TREMCO "SPECTREM" 1 OR 3. TYPE PT: ASTM C920, TYPE S, GRADE P, CLASS 25; TREMCO "THC 901", SONNEBORN "SONOLASTIC SL 1", PECORA "UREXPAN NR-201", OR APPROVED. TYPE PTNS: ASTM C920, TYPE M, GRADE NS, CLASS 25; PECORA "DYNATRED," TREMCO

"HPL," OR APPROVED; CUSTOM COLORS TO MATCH ARCHITECT'S SAMPLES.

BELLEVUE, WA 98006 www.t-mobile.com

Firm's License #

State License #

DESCRIPTION BUILDING DEPARTMENT

S 08

DATF:

SCALE:

DRAWN BY:

CORPORATE - RELO

12/19/2017

TMO364

PROJECT No .:

DIVISION 7 - THERMAL AND MOISTURE, CONT.

- 4. TYPE A: ASTM C834: TREMCO "ACRYLIC LATEX CAULK". PECORA "AC-20". SONNEBORN "SONOLAC" OR APPROVED. TYPE SM: MILDEW RESISTANT SILICONE SEALANT: USDA APPROVED: DOW CORNING
- ACCESSORY MATERIALS: PRIMER: NON-STAINING TYPE. RECOMMENDED BY SEALANT MANUFACTURER TO SUIT

786 BY DOW CHEMICAL, GE SANITARY SEALANT OR APPROVED; CLEAR.

- APPLICATION. JOINT CLEANER: NON-CORROSIVE AND NON-STAINING TYPE, RECOMMENDED BY
- SEALANT MANUFACTURER; COMPATIBLE WITH JOINT FORMING MATERIALS. JOINT FILLER: CLOSED CELL POLYETHYLENE FOAM; ROUND PROFILE; THICKNESS: 130%
- BOND BREAKER: PRESSURE SENSITIVE TAPE RECOMMENDED BY SEALANT
- MANUFACTURER TO SUIT APPLICATION. COMPRESSIBLE FOAM SEALANT: PRECOMPRESSED PREFACED SELF-ADHESIVE OPEN CELL POLYURETHANE FOAM TAPE; "BACKERSEAL" BY EMSEAL JOINT SYSTEMS. LTD..
- PREPARATION: CLEAN AND PREPARE JOINTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REMOVE LOOSE MATERIALS AND OTHER FOREIGN MATTER WHICH MIGHT IMPAIR ADHESION OF SEALANT.
- APPLY MASKING TIGHTLY AROUND JOINTS TO PROTECT ADJACENT SURFACES FROM EXCESS SEALANT.
- PRIME AS REQUIRED FOR PROPER BOND TO SUBSTRATE MATERIALS.
- PERFORM WORK IN ACCORDANCE WITH ASTM C1193, UNLESS SPECIFIED OTHERWISE OR RECOMMENDED OTHERWISE BY THE SEALANT MANUFACTURER.
- SEALANT BEADS SHALL HAVE A SECTIONAL WIDTH TO DEPTH RATIO OF 2 TO 1, EXCEPT THAT SEALANT TYPE PT SHALL BE INSTALLED FULL DEPTH WITHOUT BACKING.
- INSTALL TYPE PTNS SEALANT FULL DEPTH IN TILE EXPANSION JOINTS WITH NO BACKER ROD.
- TOOL JOINTS CONCAVE, UNLESS INDICATED OTHERWISE. FINISH FREE OF AIR POCKETS, FOREIGN EMBEDDED MATTER, RIDGES, AND SAGS. PROTECT SEALANT IN JOINTS SUBJECT TO DIRT, MOISTURE, AND TRAFFIC DURING THE
- SEALANT CURING PROCESS. PROTECTION SHALL BE ABLE TO RESIST TRAFFIC WHILE REMAINING SECURELY IN POSITION. SCHEDULE:
- TYPE S: PROVIDE AT ALL EXTERIOR JOINTS UNLESS SPECIFIED OTHERWISE;
- STANDARD COLORS AS SELECTED BY ARCHITECT. TYPE PT: PROVIDE AT ALL EXTERIOR HORIZONTAL JOINTS SUBJECT TO TRAFFIC AND ABRASION; STANDARD COLORS AS SELECTED BY ARCHITECT.
- TYPE PTNS: PROVIDE AT ALL EXPANSION JOINTS IN TILE: CUSTOM COLORS TO MATCH GROUT SAMPLES SUBMITTED BY TILE INSTALLER. TYPE A: PROVIDE AT ALL INTERIOR JOINTS, UNLESS SPECIFIED OTHERWISE; STANDARD
- COLORS TO MATCH ADJACENT CONSTRUCTION. TYPE SM: PROVIDE AT JOINTS AROUND COUNTERTOPS IN BACH OF HOUSE (BOH) AND

DIVISION 8 - OPENINGS

081113 HOLLOW METAL DOORS AND FRAMES

INSTALLATION:

- A. SUMMARY 1. INTERIOR DOOR FRAMES TO BE NOTED ON DOOR SCHEDULE PROVIDE "TIMELY" (OR EQUAL) PRE-FINISHED DOOR FRAME SYSTEMS (METAL) FOR
- 2. EXTERIOR DOORS AND FRAMES, WHEN INDICATED ON THE DRAWINGS. B. REGULATORY REQUIREMENTS: WHERE REQUIRED, INSTALLED FRAME AND DOOR ASSEMBLY SHALL CONFORM TO
- NFPA 80 FOR FIRE RATED CLASS INDICATED. WHERE DOORS ARE NOTED WITH AN HOURLY FIRE RESISTANCE RATING. PROVIDE DOOR AND FRAME ASSEMBLIES LABELED BY UNDERWRITER'S LABORATORY (UL), OR ANOTHER TESTING LABORATORY APPROVED BY THE LOCAL CODE AUTHORITIES, TO MEET THE HOURLY FIRE RATING NOTED. ASSEMBLIES SHALL MEET CODE
- REQUIREMENTS FOR POSITIVE PRESSURE WHEN REQUIRED. INCLUDE "S" LABEL ON FIRE RATED DOOR ASSEMBLIES LOCATED AT 1 HOUR RATED EXIT CORRIDORS
- QUALITY ASSURANCE:
- CONFORM TO REQUIREMENTS OF ANSI A250.8. ACCEPTABLE MANUFACTURERS: MEMBERS OF THE STEEL DOOR INSTITUTE AND OF THE NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS, SUBJECT TO
- COMPLIANCE WITH SPECIFIED REQUIREMENTS. MATERIALS: STEEL SHEET, COLD ROLLED ASTM A366, OR HOT ROLLED PICKLED AND OILED SHEET CONFORMING TO ASTM A 569, MINIMUM 30% RECYCLED CONTENT.
- INTERIOR DOOR CONSTRUCTION: ANSI A250.8; SEAMLESS; MINIMUM 18 GA FACE SHEETS, 16 GA AT INVENTORY ROOM.
- CORE: VERTICAL STEEL STIFFENERS WITH SOUND DEADENING FILL BETWEEN STIFFENERS, OR RESIN IMPREGNATED KRAFT PAPER HONEY COMB CORE. PROVIDE CONTINUOUSLY WELDED SEAMLESS EDGES. NO PLASTIC FILLERS WILL BE
- ACCEPTED. G. EXTERIOR DOOR CONSTRUCTION:
- ANSI A250.8; SEAMLESS; MINIMUM 16 GA FACE SHEETS. CORE: POLYSTYRENE OR POLYURETHANE FOAM CORE.
- 3. SPECIAL CONSTRUCTION REQUIREMENTS: a. PROVIDE CONTINUOUSLY WELDED SEAMLESS EDGES. NO PLASTIC FILLERS WILL BE
- b. CLOSE TOP EDGES OF EXTERIOR DOORS FLUSH WITH STEEL FILLER CAP; SEAL JOINTS
- c. CUT MORTISES FOR BUTTS USING APPROPRIATE TEMPLATES; UNIVERSAL NON-HANDED PREPARATION OF DOORS IS NOT ACCEPTABLE.
- DESIGN: DOUBLE RABBET, EXCEPT FLAT, CASED OPENING FRAME WHERE INDICATED ON PLANS, UNLESS SPECIFIED OR INDICATED OTHERWISE; FULLY WELDED.
- a. EXTERIOR FRAMES: MINIMUM 14 GA.
- b. INTERIOR FRAMES: MINIMUM 16 GA FOR FRAMES OF DOOR OPENINGS UP TO AND INCLUDING 4 FEET IN WIDTH;14 GA FOR FRAMES GREATER THAN 4 FEET IN WIDTH.
- INTERIOR FRAMES: MANUFACTURER'S STANDARD RUST-INHIBITIVE PRIMER. EXTERIOR FRAMES: HOT DIP GALVANIZED ZINC COATING CONFORMING TO ASTM A653 A60 (.60 OZ/SQ FT. COATING WEIGHT), WITH MANUFACTURER'S STANDARD PRIMER TO
- RECEIVE COATING SYSTEM SPECIFIED IN SECTION 099000. **INSTALLATION OF FRAMES:** INSTALL FRAMES IN ACCORDANCE WITH SDI-105 AND IN ACCORDANCE WITH LABELING REQUIREMENTS.
- COORDINATE WITH WALL CONSTRUCTION FOR ANCHOR PLACEMENT.
- INSTALLATION TOLERANCES; MAXIMUM DIAGONAL DISTORTION: 1/16 INCH MEASURED WITH STRAIGHT EDGE, CORNER TO CORNER.
- DOOR AND HARDWARE INSTALLATION IS SPECIFIED IN SECTION 087300.

081400 WOOD DOORS

- A. SOLID CORE FLUSH DOORS:
- 1. APPROVED MANUFACTURERS: ONE OF THE FOLLOWING. a. ALGOMA HARDWOODS, INC. (ALGOMA WI; 920-487-5221; 800-678-8910).
- b. EGGERS INDUSTRIES (TWO RIVERS WI; 920-793-1351). VANCOUVER DOOR (PUYALLUP WA, 800-999-3667)
- d. OREGON DOOR (WINSTON OR, 800-722-7269)
- AWI SECTION 1300, PREMIUM GRADE.
- CORE: UREA-FORMALDEHYDE FREE, SOLID PARTICLE BOARD CORE, UNLESS REQUIRED OTHERWISE FOR FIRE LABELING REQUIREMENTS.
- AWI PC-5 (5 OR 7 PLY CONSTRUCTION).
- PROVIDE LABELED DOORS AS REQUIRED TO MEET THE HOURLY FIRE RATING
- WHERE INTUMESCENT SEALS ARE REQUIRED TO MEET POSITIVE PRESSURE LABELING REQUIREMENTS, PROVIDE CONCEALED EDGE SEALING SYSTEM BUILT INTO THE DOOR
- 1-3/4 INCH THICK, UNLESS SCHEDULED OTHERWISE.
- 8. FRAMES: PROVIDED UNDER SECTION 081113. B. FABRICATION:
- FABRICATE DOORS TO THE CONFIGURATIONS INDICATED, IN ACCORDANCE WITH THE AWI STANDARDS SPECIFIED, AND TO FIRE RATED LABELING REQUIREMENTS. ATTACH FIRE RATING LABELS.
- 2. BEVEL LOCK AND HINGE EDGES 1/8 INCH IN 2 INCHES ON ALL SINGLE ACTING DOORS.

DIVISION 8 - OPENINGS, CONT.

- BOND EDGE BANDING TO SOLID CORE WITH HOT MELT OR RF CURED ADHESIVE. PRE-FIT AND PRE-MACHINE DOORS IN ACCORDANCE WITH AWI 1300-S-6. PRE-MACHINE FOR HARDWARE SPECIFIED IN SECTION 087000. AND LOCATE AS SPECIFIED IN SECTION
- DOORS SHALL BE FACTORY PREFINISHED AS SCHEDULED TO MATCH ARCHITECT'S SAMPLE; AWI PREMIUM GRADE, LOW VOC, POLYURETHANE SYSTEM. WHERE REQUIRED TO MEET LABELING REQUIREMENTS, PROVIDE METAL ASTRAGALS
- TO MEET RATING REQUIREMENTS FOR DOUBLE FIRE DOORS. FACTORY PRE-GLAZE DOORS. FLUSH DOOR BLOCKING: FOR FLUSH DOORS, PROVIDE SOLID LOCK BLOCKS AND
- SPECIAL BLOCKING AS REQUIRED FOR THE HARDWARE COMPONENTS SPECIFIED ELSEWHERE. BLOCKING FOR FIRE RATED DOORS SHALL MEET THE DOOR MANUFACTURER'S LABELING REQUIREMENTS. INSTALLATION:
- FIT AND PREPARE DOORS FOR INSTALLATION IN ACCORDANCE WITH THE DOOR
- MANUFACTURER'S PRINTED INSTRUCTIONS. PROVIDE CLEARANCES OF 1/8 INCH AT JAMBS AND HEADS AND 3/8 INCH FROM BOTTOM OF DOOR TO TOP OF DECORATIVE FLOOR FINISH OR COVERING. EXCEPT WHERE THRESHOLD IS SHOWN OR SCHEDULED PROVIDE 1/4 INCH CLEARANCE FROM BOTTOM OF DOOR TO TOP OF THRESHOLD.

083100 ACCESS DOORS AND PANELS A. QUALITY ASSURANCE:

- WHERE ACCESS DOORS ARE INSTALLED IN CONSTRUCTION WITH AN HOURLY FIRE RESISTANCE RATING, PROVIDE DOOR AND FRAME ASSEMBLIES LABELED BY UNDERWRITER'S LABORATORY, WARNOCK HERSEY, OR ANY OTHER TESTING LABORATORY APPROVED BY THE LOCAL CODE AUTHORITIES TO MEET THE REQUIREMENTS OF THE FIRE RATED ASSEMBLY
- ACCEPTABLE MANUFACTURERS: MILCOR, INC., LIMA, OH.
- J.L. INDUSTRIES, BLOOMINGTON, MN.
- KARP ASSOCIATES, INC., MASPETH, NY. MM SYSTEMS CORPORATION, TUCKER, GA.
- NYSTROM, MINNEAPOLIS, MN
- C. DOOR TYPES: 1. FIRE RATED METAL ACCESS DOOR FOR USE AT RATED PARTITIONS:
 - a. FLUSH TYPE DESIGN. b. 16 GA FRAME; MINIMUM 20 GA STEEL WELDED PAN DOOR PANEL INSULATED WITH NON-COMBUSTIBLE FILLER
- . SELF CLOSING AND SELF LATCHING, WITH INTERIOR LATCH RELEASE d. FULLY CONCEALED PIN TYPE HINGES OR CONTINUOUS PIANO HINGE, 175 DEGREE
- e. RING TURN LATCH. NON RATED METAL WALL AND CEILING ACCESS DOOR FOR USE AT BACK-OF-HOUSE (BOH) AREAS:
- a. FLUSH TYPE DESIGN.
- b. 16 GA STEEL FRAME; 14 GA STEEL DOOR PANEL. FOR INSTALLATION IN DRYWALL: INTEGRAL ATTACHMENT FLANGE AND DRYWALL BEAD FOR FLUSH INSTALLATION.
- d. FULLY CONCEALED PIN TYPE HINGES OR CONTINUOUS PIANO HINGE, 175 DEGREE
- e. HARDWARE: SCREW DRIVER SLOT, QUARTER TURN CAM LOCK FOR INTERIOR LOCATIONS; 2'-0" O.C., MAXIMUM.
- NON RATED CONCEALED DRYWALL ACCESS DOOR FOR USE AT SALES FLOOR AREAS: a. RECESSED TYPE DESIGN. MINIMUM 13 GA STEEL FRAME; MINIMUM 16 GA STEEL DOOR PANEL RECESSED TO
- RECEIVE DRYWALL INTEGRAL ATTACHMENT FLANGE AND DRYWALL BEAD FOR FLUSH INSTALLATION.
- d. FULLY CONCEALED PIVOT ROD HINGE. e. LATCHES: SCREW DRIVER OPERATED CAM LATCH.
- 4. HIGH-SECURITY WALL ACCESS DOOR:
- a. KARP ASSOCIATES, INC., "DSB-123SD SECURITY ACCESS DOOR," NYSTROM "HS-GMZ" OR APPROVED
- b. SIZE: 24 IN X 24 IN. FRAMES: 3/16" X 2" X 2" ANGLE WELDED WITH JOINTS GROUND SMOOTH; APPLIED 1/8" X 1" X 1" STOP ON FOUR SIDES. DOOR: 10 GA STEEL PLATE.
- HINGES: PROVIDE FULLY CONCEALED HINGE(S). LOCK: PREPARED FOR INTERCHANGEABLE 5-PIN CYLINDER LOCK, AS SPECIFIED IN
- g. WEATHERSTRIP: PROVIDE CONTINUOUS SEAL AS NECESSARY TO MAINTAIN ASSEMBLY WATERTIGHT WHEN CLOSED. h. FINISH: FACTORY PRIMED FOR FIELD FINISH WITH MANUFACTURER'S STANDARD RUST-INHIBITIVE POWDER COAT, COLOR TO MATCH ADJACENT CONSTRUCTION.

MINIMUM SIZES: PROVIDE ACCESS DOORS IN SIZES INDICATED. WHEN NOT INDICATED OR

- SPECIFIED OTHERWISE, PROVIDE 12" X 12" SIZE FOR HAND ACCESS, AND 24" X 24" SIZE FOR MAN ENTRY. INSTALLATION: PROVIDE ACCESS DOORS IN THE LOCATIONS INDICATED, AND FOR ACCESS TO
- BALANCING AND FIRE DAMPERS, TRAP PRIMERS, VALVES, FANS, TERMINAL UNITS, AND OTHER EQUIPMENT REQUIRING PERIODIC INSPECTION THROUGH FINISHED WALLS OR CEILING, WHETHER INDICATED OR NOT.
- COORDINATE ACCESS REQUIREMENTS WITH OTHER TRADES. PROVIDE CONCEALED DRYWALL ACCESS DOORS UNLESS FIRE RATED ACCESS DOORS ARE REQUIRED BECAUSE OF FIRE RATED CONSTRUCTION.

083326 OVERHEAD COILING SHUTTERS A. OVERHEAD COILING SHUTTER ASSEMBLIES SHALL INCLUDE SHUTTERS, GUIDES,

- BRACKETS, COUNTERBALANCE, HOOD, MOTOR, CONTROL MECHANISMS, AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. . QUALITY ASSURANCE
- INSTALLERS: INSTALLATION SHALL BE PERFORMED BY A FACTORY TRAINED AND AUTHORIZED REPRESENTATIVE. C. APPROVED MANUFACTURER (ONE OF THE FOLLOWING, NO SUBSTITUTIONS):
- QMI SECURITY SOLUTIONS (ITASCA IL; 630-529-7111) NSBS (800-804-0059) FOR EXTERIOR GRILLS ONLY. D. SHUTTER TYPE: AS INDICATED AND IN ACCORDANCE WITH T-MOBILE NATIONAL ACCOUNT
- REQUIREMENTS. FXAMINATION PRIOR TO STARTING WORK, CAREFULLY INSPECT INSTALLED WORK OF OTHER TRADES AND VERIFY THAT SUCH WORK IS COMPLETE TO THE POINT WHERE WORK OF THIS SECTION MAY PROPERLY COMMENCE. NOTIFY THE ARCHITECT IN WRITING OF
- CONDITIONS DETRIMENTAL TO THE PROPER AND TIMELY COMPLETION OF THE WORK. DO NOT BEGIN INSTALLATION UNTIL UNSATISFACTORY CONDITIONS ARE RESOLVED. BEGINNING WORK CONSTITUTES ACCEPTANCE OF SITE CONDITIONS AND RESPONSIBILITY FOR DEFECTIVE INSTALLATION CAUSED BY PRIOR OBSERVABLE
- INSTALLATION 1. INSTALL SHUTTER AND OPERATING EQUIPMENT COMPLETE WITH ACCESSORIES IN ACCORDANCE APPROVED SHOP DRAWINGS, AND MANUFACTURER'S
- RECOMMENDATIONS. G. FIELD QUALITY CONTROL VERIFY THAT MOVING PARTS OPERATE SMOOTHLY, COILING SHUTTERS ARE FREE FROM WARP, TWISTS, OR DISTORTION, SHUTTERS REMAIN IN REQUIRED POSITION,
- AND SAFETY FEATURES FUNCTION PROPERLY. REPAIR DAMAGE TO OVERHEAD COILING SHUTTERS TO MATCH MANUFACTURER'S ORIGINAL FINISH. REPLACE COMPONENTS WHICH CANNOT BE PROPERLY REPAIRED.
- ADJUST MECHANISM SO MOVING PARTS OPERATE SMOOTHLY. H. COLOR 1. PROVIDE ANODIZED ALUMINUM FINISH, REGARDLESS OF STOREFRONT WINDOW

084113 ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

- A. SUMMARY: EXTERIOR ALUMINUM FRAMED STOREFRONT AND WINDOW SYSTEMS. INTERIOR ALUMINUM FRAMED STOREFRONT SYSTEMS.
- ALUMINUM FRAMED GLASS DOORS. B. REFERENCES: AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):
- B209 ALUMINUM AND ALUMINUM ALLOY SHEET AND PLATE. B221 - ALUMINUM ALLOY EXTRUDED BARS, RODS, WIRE, SHAPES, AND TUBES.
- E283 RATE OF AIR LEAKAGE THROUGH EXTERIOR WINDOWS, CURTAIN WALLS, AND E330 - STRUCTURAL PERFORMANCE OF EXTERIOR WINDOWS, CURTAIN WALLS, AND DOORS BY UNIFORM STATIC AIR PRESSURE DIFFERENCE.

DIVISION 8 - OPENINGS, CONT.

- 6. ARCHITECTURAL ALUMINUM MANUFACTURER'S ASSOCIATION (AAMA).
- C. SYSTEM DESCRIPTION: PERFORMANCE - EXTERIOR ALUMINUM WINDOW AND STOREFRONT SYSTEM: a. SYSTEM SHALL ACCOMMODATE EXPANSION AND CONTRACTION CAUSED BY A
- TEMPERATURE RANGE OF 20 DEGREES TO 140 DEGREES F. WITHOUT DETRIMENTAL EFFECTS TO COMPONENTS, SEALING SYSTEMS, AND SURROUNDING CONSTRUCTION. b. DESIGN SYSTEM WITH PROVISIONS TO DRAIN MOISTURE TO THE EXTERIOR OF THE SYSTEM.
- c. AIR INFILTRATION: SHALL NOT EXCEED .05 CFM PER SQUARE FOOT OF FIXED AREA WHEN TESTED IN ACCORDANCE WITH ASTM E 283.
- d. WATER INFILTRATION: NO WATER PENETRATION AT A TEST PRESSURE OF 6.24-LB/SQ FT. WHEN MEASURED IN ACCORDANCE WITH ASTM E 331. WINDOW AND STOREFRONT STRUCTURAL DESIGN:
- a. DESIGN AND SIZE MEMBERS TO WITHSTAND POSITIVE AND NEGATIVE WIND LOADS AS REQUIRED BY THE CURRENTLY ENFORCED EDITION OF THE BUILDING CODE. b. LIMIT MULLION DEFLECTION TO 1/175, OR FLEXURE LIMIT OF GLASS WITH FULL
- RECOVERY OF GLAZING MATERIALS, WHICHEVER IS LESS. WARRANTY: FURNISH FIVE YEAR WRITTEN WARRANTY EXECUTED TO T-MOBILE. FROM THE MANUFACTURER OF THE STOREFRONT SYSTEM, AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP, IN ACCORDANCE WITH DIVISION 1.
- . MATERIALS: EXTRUDED ALUMINUM: ASTM B 221; 6063 T5 ALLOY AND TEMPER.
- SHEET ALUMINUM: ASTM B 209: 5005-H32 ALLOY, OR APPROVED. F. COMPONENTS:
- EXTERIOR STOREFRONT AND WINDOW FRAMING: a. PARTIAL REPLACEMENT: WHERE NEW ENTRANCE OR FRAMING IS INDICATED TO BE INSTALLED ALONG WITH EXISTING TO REMAIN, MATCH DIMENSIONS, PROFILE, GLAZING THICKNESS AND FINISH OF EXISTING ALUMINUM WINDOW FRAMING
- INDICATED TO REMAIN. b. WHERE STOREFRONT SYSTEM AS INDICATED ON THE DRAWINGS IS NEW, PROVIDE MANUFACTURER'S STANDARD NOMINAL 2" X 4" CENTER-GLAZED THERMALLY BROKEN
- STOREFRONT FRAMING SYSTEM. INTERIOR (MALL) STOREFRONT AND WINDOW FRAMING: MANUFACTURER'S STANDARD NOMINAL 2" X 4" CENTER-GLAZED NON-THERMALLY BROKEN STOREFRONT FRAMING
- ACCEPTABLE MANUFACTURERS: KAWNEER, YKK, EFCO, ARCADIA. DOORS: EXTRUDED ALUMINUM FRAME; MEDIUM STILE; PROVIDE WITH SPECIAL 10 INCH HIGH BOTTOM RAIL.
- DOOR HARDWARE a. PROVIDE MANUFACTURER'S STANDARD OFFSET PIVOT HINGES, UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
- MANUFACTURER'S STANDARD WEATHERSTRIPPING, INCLUDING BOTTOM SWEEP. BALANCE OF HARDWARE IS LISTED ON THE DRAWINGS.
- GLAZING BEADS: MANUFACTURER'S STANDARD EPDM OR NEOPRENE GLAZING BEADS, FOR A COMPLETE WEATHERPROOF SEAL. FURNISH FOR INSTALLATION AS A PART OF THE WORK OF SECTION 088000. G. FABRICATION:
- FABRICATE FRAMES ALLOWING FOR SHIM SPACING AROUND PERIMETER OF ASSEMBLY, YET ENABLING INSTALLATION. RIGIDLY FIT JOINTS AND CORNERS. ACCURATELY FIT AND SECURE CORNERS TIGHT. MAKE CORNER JOINTS FLUSH, HAIRLINE, AND WEATHERPROOF. SEAL JOINTS WITH
- PROVIDE DRAINAGE HOLES TO ALLOW WATER TO FLOW TO EXTERIOR.
- PREPARE COMPONENTS TO RECEIVE ANCHORAGE DEVICES. FABRICATE ANCHORAGE PROVIDE INTERNAL REINFORCEMENT IN MULLIONS WITH MEMBERS TO MAINTAIN

FABRICATE CUSTOM EXTRUSIONS, CLOSURES, AND SHEET MATERIALS TO THE SHAPES

- RIGIDITY. PROVIDE REINFORCING AT ALL DOOR STRIKE JAMBS. FABRICATE STOREFRONT SYSTEM TO ACCOMMODATE HARDWARE USING TEMPLATES FURNISHED FROM SECTION 087100.
- INDICATED; FABRICATE FOR ATTACHMENT WITH CONCEALED FASTENERS TO THE GREATEST POSSIBLE EXTENT. ANODIZED FINISH: MANUFACTURER'S STANDARD ANODIZED FINISH; .7 MIL MINIMUM
- THICKNESS; CLEAR, UNLESS INDICATED OTHERWISE ON THE DRAWINGS. PROVIDE AT ALL EXPOSED ALUMINUM SURFACES. INSTALLATION:
- INSTALL FRAMES, DOORS, AND HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. 2. USE ANCHORAGE DEVICES TO SECURELY ATTACH FRAME TO STRUCTURE.
- ALIGN FRAMES PLUMB AND LEVEL, FREE OF WARP OR TWIST. MAINTAIN DIMENSIONAL TOLERANCES, ALIGNING WITH ADJACENT WORK. INSTALL ALUMINUM FLASHINGS AT HEAD AND SILL. FINISH TO MATCH STOREFRONT
- AND WINDOWS. PERIMETER SEALANT IS PROVIDED UNDER SECTION 079200. ADJUST HARDWARE INSTALLED IN THIS SECTION FOR SMOOTH OPERATION. PROTECT ALUMINUM FROM DISSIMILAR MATERIALS WITH A COATING OF BITUMINOUS
- PAINT, A MINIMUM 1-MIL THICKNESS OF ZINC CHROMATE PRIMER, PLASTIC SEPARATOR MATERIALS, OR ISOLATION TAPE. KEEP ISOLATION MATERIALS UNEXPOSED TO VIEW. A. SUPPLIER: FINISH HARDWARE SHALL BE SUPPLIED BY RECOGNIZED BUILDERS' HARDWARE

SUPPLIER WHO HAS BEEN FURNISHING HARDWARE IN THE SAME AREA AS THE PROJECT

- FOR A PERIOD OF NOT LESS THAN TWO YEARS. THE SUPPLIER'S ORGANIZATION SHALL INCLUDE A MEMBER OF THE AMERICAN SOCIETY OF ARCHITECTURAL HARDWARE CONSULTANTS WHO IS AVAILABLE AT ALL REASONABLE TIMES DURING THE COURSE OF THE WORK TO MEET WITH T-MOBILE, ARCHITECT OR CONTRACTOR FOR PROJECT HARDWARE CONSULTATION.
- 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.
- 1. ALL FINISH HARDWARE SHALL COMPLY WITH APPLICABLE LOCAL AND/OR STATE
- CURRENT BUILDING CODES. HARDWARE FOR FIRE-RATED OPENINGS SHALL ALSO BE IN COMPLIANCE WITH ALL FIRE BUILDING CODES APPLICABLE TO THE DISTRICT IN WHICH THE BUILDING IS LOCATED. PROVIDE ONLY HARDWARE WHICH HAS BEEN TESTED AND LISTED BY UL FOR THE TYPES AND SIZES OF DOORS REQUIRED, AND WHICH COMPLIES WITH THE
- REQUIREMENTS OF THE DOOR AND DOORFRAME LABELS. 3. PROVIDE SMOKE SEALS AS REQUIRED AT EACH FIRE-RATED OPENING. D. DELIVERY: DELIVER ALL HARDWARE IN MANUFACTURERS' ORIGINAL UNOPENED UNDAMAGED PACKAGES, CLEARLY IDENTIFYING MANUFACTURER, BRAND NAME, AND
- IN ADDITION TO REQUIRED ONE YEAR WARRANTY UNDER CONDITIONS OF THE CONTRACT, FURNISH 5-YEAR UNCONDITIONAL GUARANTEES FOR ALL DOOR CLOSERS, UNDER PROVISIONS OF DIVISION 1. FACTORY REPRESENTATIVES FOR DOOR CLOSERS, EXIT BOLTS, AND LOCKSETS SHALL BE
- AVAILABLE DURING THE CONSTRUCTION TO INSTRUCT THE CONTRACTOR ON THE PROPER METHOD OF INSTALLATION OF THEIR MATERIALS. THEY SHALL INSPECT AND ADJUST THEIR MATERIALS AT THE COMPLETION OF THE WORK, AND SUPPLY PROPER MAINTENANCE MANUALS TO T-MOBILE.
- G. FURNISH 2 SETS OF SPECIAL TOOLS FOR INSTALLATION AND MAINTENANCE OF HARDWARE. TOOLS FOR MAINTENANCE AND ADJUSTMENTS ARE TO BE DELIVERED TO T-MOBILE UPON COMPLETION OF THE WORK. IN GENERAL, UNLESS OTHERWISE INDICATED, FINISHES SHALL BE SATIN CHROME US26D.
- GENERAL: CONSTRUCTION MASTERKEY ALL LOCKSETS AND CYLINDER ITEMS; PROVIDE 6 CONSTRUCTION MASTERKEYS. KEYING: CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL KEYING, AS FOLLOWS: 1. CONSULT WITH T-MOBILE'S AUTHORIZED REPRESENTATIVE AND PREPARE DETAILED KEYING SCHEDULE ACCORDINGLY. T-MOBILE'S REPRESENTATIVE WILL COORDINATE
- KEYING REQUIREMENTS WITH AUTHORIZED REPRESENTATIVE OF HARDWARE SUPPLIER. STAMP "DO NOT DUPLICATE" ON ALL KEYS.
- 1. IN THE FOLLOWING PARAGRAPHS WHERE HAGER NUMBERS ARE LISTED, EQUIVALENT ITEMS OF LAWRENCE, MCKINNEY SALES COMPANY, OR THE STANLEY WORKS MAY BE
- EXTERIOR DOORS (OUTSWING) 38" WIDE OR LESS SHALL HAVE HAGER BB1191 BUTTS, INTERIOR DOORS 38" WIDE OR LESS SHALL HAVE HAGER BB1279 BUTTS, SIZE 4 1/2 X 4
- PROVIDE BUTTS ON EXTERIOR DOORS WITH NON-REMOVABLE PINS (SET SCREW IN BARREL, PIN NON-REMOVABLE WHEN DOOR IS CLOSED), AND SAFETY STUD. PROVIDE FULL THREADED WOOD SCREWS FOR WOOD DOORS AND/OR JAMBS. BUTT WIDTHS LISTED ARE MINIMUM. PROVIDE BUTTS OF WIDER THROW TO SUITE

CONDITIONS FOR 180° OPERATION OF DOORS, STRUCTURAL CONDITIONS PERMITTING.

DIVISION 8 - OPENINGS, CONT.

- LOCKSETS, DEADLOCKS, CYLINDERS AND PADLOCKS:
- MANUFACTURER: LOCKS AND DEADLOCKS - AS NOTED IN HARDWARE SCHEDULE ON DRAWINGS CYLINDERS AND PADLOCKS - AS NOTED IN HARDWARE SCHEDULE ON DRAWINGS
 - PROVIDE NEW CYLINDER AT EACH EXISTING DOOR THAT HAS DEADLOCK OR LOCKSET. PROVIDE LOCK STRIKES WITH MINIMUM PROJECTION TO PROTECT TRIM.
 - PROVIDE WROUGHT BOXES FOR LOCKSETS AND DEADLOCKS. PROVIDE DEADLOCKS WITH ARMORED FRONTS.
 - FUNCTION AS INDICATED IN HARDWARE GROUPS. DEAD BOLTS AT EXTERIOR DOORS SHALL HAVE A MINIMUM THROW OF 1 INCH AND
 - MINIMUM EMBEDMENT OF 3/4 INCH. TYPES: AS INDICATED ON THE DRAWINGS.

TYPES: AS INDICATED ON THE DRAWINGS.

- M. ELECTRONIC HARDWARE
- N. DOOR CLOSERS: MANUFACTURERS:
- OVERHEAD CLOSERS: LCN OR RIXSON.
- b. FLOOR CLOSERS: LCN OR RIXSON. 2. ALL OVERHEAD CLOSERS TO BE MOUNTED ON INTERIOR SIDE OF DOOR. NO THRU
- PROVIDE MOUNTING BRACKETS AND PROPER LENGTH ARMS TO SUIT ALL CONDITIONS. PROVIDE ARM OPTIONS AS SCHEDULED OR RECOMMENDED BY MANUFACTURER.
- FINISH SHALL MATCH LOCKSETS SIZES SHALL BE AS RECOMMENDED BY THE MANUFACTURER. CLOSERS SHALL HAVE A 5-YEAR UNCONDITIONAL GUARANTEE.

PER CURRENT REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT, UNLESS

- PROVIDE STANDARD FULL COVERS AT OVERHEAD CLOSERS; FINISH TO MATCH ARMS, UNLESS OTHERWISE INDICATED. CLOSURE PRESSURE: SET TO 5 POUNDS FOR BOTH EXTERIOR AND INTERIOR DOORS.
- REQUIRED OTHERWISE BY LOCAL JURISDICTIONAL AUTHORITIES. TYPES: AS INDICATED ON THE DRAWINGS. O. DOOR STOPS AND OVERHEAD STOPS: AS SCHEDULED.
- LOCATE FLOOR STOPS FREE FROM FOOT TRAFFIC. TYPES: AS INDICATED ON THE DRAWINGS. . PUSH/PULL BARS AND SETS:
- TYPES: AS INDICATED ON THE DRAWINGS. Q. WEATHERSTRIP, THRESHOLDS, DOOR BOTTOM AND GASKETS: MANUFACTURER: PEMKO MFG. CO., OR APPROVED EQUAL BY RIXSON.
- TYPES: AS INDICATED ON THE DRAWINGS. R. MISCELLANEOUS: PROVIDE SILENCERS FOR ALL DOORJAMBS, 3 FOR SINGLE JAMBS AND 4 FOR DOUBLE
- TYPES: AS INDICATED ON THE DRAWINGS. FURNISH FOR EACH DOOR THE ITEMS SCHEDULED WITHIN THE DESIGNATED HARDWARE GROUPS AS SHOWN ON THE DRAWINGS.
- ADJUSTMENTS AND TESTING: ADJUST AND CHECK EACH OPERATING ITEM OF HARDWARE AND EACH DOOR TO ENSURE PROPER OPERATION OF FUNCTION OF EVERY UNIT.
- RECOMMENDED BY THE HARDWARE MANUFACTURER. REPLACE UNITS WHICH CANNOT BE ADJUSTED AND LUBRICATED TO OPERATE FREELY AND SMOOTHLY AS INTENDED FOR THE APPLICATION MADE.

LUBRICATE MOVING PARTS WITH GRAPHITE TYPE LUBRICANT UNLESS OTHERWISE

- ADJUST CLOSER PRESSURES AS SPECIFIED IN SECTION 087100, UNLESS OTHERWISE REQUIRED BY JURISDICTIONAL AUTHORITIES. TESTING: a. TEST CLOSER FOR COMPLIANCE WITH REQUIREMENTS OF SECTION 087100, INCLUDING
- OPENING FORCE AND CLOSING SPEED REQUIRED BY JURISDICTIONAL AUTHORITIES. PROVIDE TESTING DEVICE, OPERATE TEST AT EACH DOOR, AND PROVIDE A WRITTEN REPORT ON RESULTS OF TESTS. c. TESTING DEVICE SHALL REMAIN IN THE POSSESSION OF T-MOBILE
- 087300 DOOR AND HARDWARE INSTALLATION QUALITY ASSURANCE: INSTALLERS OF DOORS AND FINISH HARDWARE SHALL BE SKILLED
- MECHANICS REGULARLY EMPLOYED IN THE DOOR HARDWARE INDUSTRY AND EXPERIENCED IN THE INSTALLATION OF DOORS AND DOOR HARDWARE. DOORS, FRAMES, AND HARDWARE: SPECIFIED IN OTHER SECTIONS. DOOR AND HARDWARE INSTALLATION
- FIT AND PREPARE DOORS FOR INSTALLATION IN ACCORDANCE WITH THE DOOR MANUFACTURER'S PRINTED INSTRUCTIONS. INSTALL DOORS PLUMB AND SQUARE. PROVIDE CLEARANCES OF 1/8 INCH AT JAMBS AND HEADS, 1/8 INCH AT MEETING STILES FOR PAIRS OF DOORS, AND 1/2 INCH FROM BOTTOM OF DOOR TO TOP OF DECORATIVE FLOOR FINISH OR COVERING, EXCEPT WHERE THRESHOLD IS SHOWN OR
- SCHEDULED PROVIDE 1/4-INCH CLEARANCE FROM BOTTOM OF DOOR TO TOP OF INSTALL ROSES, KICK PLATES, CLOSERS, AND OTHER SURFACE MOUNTED HARDWARE ONLY AFTER DOOR FINISHING IS COMPLETE AND FINISHES ARE COMPLETELY CURED.
- FINISH HARDWARE INSTALLATION a. INSTALLER SHALL RECEIVE DELIVERY AND UNPACK, TAG, INDEX, AND FILE ALL KEYS. KEEP HARDWARE IN A SEPARATE ROOM UNDER LOCK AND KEY AT THE SITE UNTIL INSTALLATION IS MADE.

FIT HOLLOW METAL DOORS IN ACCORDANCE WITH SDI 100.

FIT OF HARDWARE AT THE LOCATIONS INDICATED ON THE DRAWINGS AND AS SPECIFIED. INSTALL EACH HARDWARE ITEM IN COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. 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 APPLICATION. AFTER COMPLETION OF THE FINISHES, REINSTALL EACH ITEM.

VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR THE CORRECT INSTALLATION AND

DO NOT INSTALL SURFACE-MOUNTED ITEMS UNTIL FINISHES HAVE BEEN COMPLETED ON HARDWARE MOUNTING HEIGHTS: AS INDICATED. WHERE NOT INDICATED, COMPLY WITH RECOMMENDATIONS OF THE NATIONAL BUILDERS HARDWARE ASSOCIATION (NBHA). ADJUSTMENT AND CLEANING: ADJUST AND CHECK EACH OPERATING ITEM OF

HARDWARE AND EACH DOOR TO ENSURE PROPER OPERATION OF FUNCTION OF

EVERY UNIT. LUBRICATE MOVING PARTS WITH GRAPHITE TYPE LUBRICANT UNLESS

OTHERWISE RECOMMENDED BY THE HARDWARE MANUFACTURER. REPLACE UNITS

WHICH CANNOT BE ADJUSTED AND LUBRICATED TO OPERATE FREELY AND SMOOTHLY AS INTENDED FOR THE APPLICATION MADE.

DRAWINGS; CLEAR ANODIZED FINISH.

D. FABRICATION:

- A. GLASS: PROVIDE THE FOLLOWING GLASS AS SCHEDULED ON THE DRAWINGS:
- 1. CLEAR GLASS: ASTM C1036, TYPE I, CLASS 1, CLEAR, QUALITY Q3 GLAZING SELECT. B. PLASTIC GLAZING: ACRYLIC PANEL AS SCHEDULED ON THE DRAWINGS. SILICONE SEALANT: DOW CORNING "795"; CLEAR COLOR.
- SETTING BLOCKS: COMPATIBLE WITH SILICONE SEALANTS; 70-90 SHORE A HARDNESS. SPACERS: COMPATIBLE WITH SILICONE SEALANT. GLAZING TAPE: TREMCO "CCN" SPONGE, OR APPROVED.
- INSULATING GLASS UNITS: a. DUAL LITE UNITS FABRICATED FROM GLASS AS SCHEDULED; 1/2 INCH NOMINAL AIRSPACE; TWIN SEALS; POLYISOBUTYLENE PRIMARY SEAL AND SILICONE SECONDARY SEAL. OUTER

GLAZING CHANNELS: EXTRUDED ALUMINUM; PROFILE AS INDICATED ON THE

- SEAL SHALL BE COMPATIBLE WITH GLAZING SYSTEM SPACER BAR: MILL FINISH ALUMINUM; FILL WITH DESICCANT; CORNERS SHALL BE PARTIALLY MITER CUT AND BENT (NOT CUT THROUGH), OR FORMED WITH CORNER KEYS ULTRASONICALLY SOLDERED IN PLACE.
- CERTIFIED THROUGH THE INSULATING GLASS CERTIFICATION COUNCIL (IG.C.C) IN ACCORDANCE WITH ASTM E773 AND E774; CERTIFIED TO LEVEL CBA. EACH PIECE SHALL BEAR CERTIFICATION NUMBER, DATE, AND MANUFACTURER'S IDENTIFICATION MARK.
- 2. TEMPERED AND HEAT STRENGTHENED GLASS: TEMPERED GLASS: GLASS WHICH HAS BEEN HEAT TREATED TO STRENGTHEN GLASS IN BENDING TO NOT LESS THAN 4 TIMES THE ANNEALED STRENGTH; CERTIFIED SAFETY GLASS IN ACCORDANCE WITH ANSI Z97.1. b. HEAT STRENGTHENED GLASS: ASTM C1048; GLASS WHICH HAS BEEN HEAT TREATED TO
- STRENGTHEN GLASS IN BENDING TO NOT LESS THAN 2 TIMES ANNEALED STRENGTH. FABRICATE TEMPERED AND HEAT STRENGTHENED GLASS UNITS SO THAT PRINCIPLE DISTORTION WILL BE IN THE HORIZONTAL DIRECTION IN THE FINISHED INSTALLATION. UNLESS OTHERWISE APPROVED BY THE BUILDING OFFICIAL, PROVIDE MANUFACTURER'S

LABEL ON EACH LIGHT, INDICATING TYPE AND THICKNESS OF GLASS.

BELLEVUE, WA 98006

www.t-mobile.com

Firm's License #

State License #

DESCRIPTION BUILDING DEPARTMENT

CORPORATE - RELO

S 08

DATF: 12/19/2017 SCALE: DRAWN BY PROJECT No .: TMO364

DIVISION 8 - OPENINGS, CONT.

- E. COMPLY WITH UBC REQUIREMENTS FOR IDENTIFICATION AND LABELING OF SAFETY-GLAZING MATERIALS IN HAZARDOUS LOCATIONS SUBJECT TO HUMAN IMPACT GLAZING CLIPS:
- a. PROVIDE GLAZING CLIPS AS INDICATED IN DRAWINGS b. C.R. LAURENCE CO., INC.: 90 DEGREE; FINISH: POLISHED STAINLESS; PRODUCT: MFC34 - 2"
- c. C.R. LAURENCE CO., INC.: 135 DEGREE; FINISH: POLISHED STAINLESS; PRODUCT: MFC38
- d. C.R. LAURENCE CO., INC.: 180 DEGREE; FINISH: POLISHED STAINLESS; PRODUCT: MFC30 2" DIA.
- F. PREPARATION: CLEAN CONTACT SURFACES AND WIPE DRY.
- SEAL FRAME CORNER JOINTS, AND OTHER LEAKAGE POINTS WITH SEALANT. AT INSULATING GLASS UNITS THE SEALANT SHALL BE COMPATIBLE WITH THE SEAL OF THE UNIT. DO NOT PLUG WEEP HOLES.
- PRIME SURFACES SCHEDULED TO RECEIVE SEALANT, UNLESS OTHERWISE RECOMMENDED BY THE SEALANT MANUFACTURER.
- F. INSTALLATION: UNLESS SPECIFIED OTHERWISE, GLAZE IN ACCORDANCE WITH THE CURRENT EDITION
- OF GLASS ASSOCIATION OF NORTH AMERICA (GANA): GLAZING MANUAL. SETTING BLOCKS: PLACE SETTING BLOCKS IN FRAMES FOR SUPPORT OF GLASS.
- PLACE AT QUARTER POINTS UNLESS APPROVED OTHERWISE. SET GLASS TIGHTLY IN POSITION WITH PROPER CLEARANCES IN ACCORDANCE WITH
- THE REFERENCED STANDARD. UNLESS SPECIFIED OTHERWISE, GLAZE UNITS WITH GASKETS FURNISHED WITH THE FRAMING SYSTEMS SPECIFIED IN OTHER SECTIONS.
- GLAZING FOR INTERIOR NON-RATED DOORS AND WINDOWS, WHERE GASKETS ARE NOT FURNISHED: a. GLAZE WITH GLAZING TAPE.
- PRE-MEASURE AND CUT TAPES TO REQUIRED LENGTHS; ADHERE TO FIXED STOPS, SETTING HORIZONTAL TAPE AT HEADS AND SILLS BEFORE VERTICAL TAPE.
- c. INSTALL TAPE WITH TIGHT BUTT JOINTS; NO OVERLAPS WILL BE ACCEPTED. SET TAPE WITH STRAIGHT LINES LEVEL WITH FRAME SIGHT LINE.
- d. POSITION GLASS, UNIFORMLY SEALING AGAINST TAPE. INSTALL INSIDE REMOVABLE STOPS AND PLACE TAPE IN STOPS FORMING A UNIFORM SEAL AGAINST GLASS. LEVEL
- 6. GLAZING FOR FIRE RATED DOORS AND WINDOWS: GLAZE IN ACCORDANCE WITH NFPA 80. UNLESS REQUIRED OTHERWISE BY THE LABELING REQUIREMENT OF THE FRAME.
- ADJUST GLAZING MATERIALS TO FORM A UNIFORM SIGHT LINE. G.SCHEDULE: TYPE 1: CLEAR TEMPERED GLAZING WHERE INDICATED AND SPECIFIED.
- TYPE 2: INSULATING GLASS, DOUBLE GLAZED UNITS WITH 1/2 INCH AIR SPACE BETWEEN TWO PANES OF 1/4 INCH GLASS; OUTER PANE SHALL BE TINTED HEAT STRENGTHENED OR TEMPERED GLASS; INNER PANE SHALL BE CLEAR GLASS. PROVIDE TEMPERED WHERE INDICATED AND SPECIFIED. WHERE NOT REQUIRED BY
- CODE TO BE TEMPERED, PROVIDE ANNEALED, HEAT-STRENGTHENED OR TEMPERED GLASS AS DETERMINED BY GLASS MANUFACTURER'S GLASS ANALYSIS. H. PROVIDE TEMPERED GLASS IN HAZARDOUS LOCATIONS TO MEET THE REQUIREMENTS OF THE JURISDICTIONAL CODE AUTHORITIES.

DIVISION 9 - FINISHES

- 090561.13 MOISTURE VAPOR EMISSIONG CONTROL
 - A. GENERAL: PRE-FORMED MOISTURE SUPPRESSION MEMBRANE INSTALLED OVER CONCRETE SUBFLOOR AS A FLOOR COVERING UNDERLAYMENT.
- B.REFERENCES: 1. D3273-00- STANDARD TEST METHOD FOR RESISTANCE TO GROWTH OF MOLD ON THE SURFACE OF INTERIOR COATINGS IN AN ENVIRONMENTAL CHAMBER
- E-96-05 STANDARD TEST METHODS FOR WATER VAPOR TRANSMISSION OF MATERIALS F 2170 - STANDARD TEST METHOD FOR DETERMINING RELATIVE HUMIDITY IN CONCRETE FLOOR SLABS USING IN SITU PROBES
- C.SUBMITTALS: MANUFACTURER'S CURRENT INSTALLATION INSTRUCTIONS
- MANUFACTURER'S WARRANTY REGISTRATION WITH CONCRETE SUBFLOOR MOISTURE TEST RESULTS AND BUILDING AMBIENT AIR TEMPERATURE AND RELATIVE HUMIDITY
- D. COORDINATION: COORDINATE THIS SECTION OF WORK AND DIRECTLY RELATED SECTION S WITH CONCRETE FLOOR CONSTRUCTION AND REPAIR AND FINISH
- F. MATERIALS 1. MANUFACTURER: HALEX CORPORATION; VERSASHIELD. WWW.HALEXCORP.COM
- (800)576-1636 PRODUCT NAME: VERSASHIELD 95 FLOORING UNDERLAYMENT
- a. MATERIAL: FREE-STANDING, DIMENSIONALLY STABLE, 4-PLY COMPOSITE PRODUCT, ENGINEERED AS A MOISTURE SUPPRESSION MEMBRANE TO BE USED ON CONCRETE FLOORS WHERE HIGH MOISTURE EXISTS.
- b. DIMENSIONS: [144 FT LONG BY 5 FT WIDE] STANDARD ROLL.
- c. MOLD, MILDEW & FUNGAL RESISTANCE, ASTM D3273: 10 RATING d. MOISTURE VAPOR TRANSMISSION RATE, ASTM E96-05: LESS THAN 0.01 G/HR/ SQ M
- e. NO SUBSTITUTIONS PERMITTED 3. PRODUCT NAME: VERSASHIELD MBX FLOORING UNDERLAYMENT
- a. MATERIAL: FREE-STANDING, DIMENSIONALLY STABLE, 4-PLY COMPOSITE PRODUCT, ENGINEERED AS A MOISTURE SUPPRESSION MEMBRANE TO BE USED ON CONCRETE
- FLOORS WHERE HIGH MOISTURE EXISTS.
- b. DIMENSIONS: [144 FT LONG BY 5 FT WIDE] STANDARD ROLL. c. MOLD, MILDEW & FUNGAL RESISTANCE, ASTM D3273: 10 RATING
- d. MOISTURE VAPOR TRANSMISSION RATE, ASTM E96-05: LESS THAN 0.01 G/HR/ SQ M e. NO SUBSTITUTIONS PERMITTED
- 4. ACCESSORIES: VERSASHIELD TAPE a. APPLICATION: JOINING OF MOISTURE SUPPRESSION UNDERLAYMENT SEAMS
- b. DESCRIPTION: MEMBRANE MANUFACTURER'S MOISTURE SUPPRESSION TAPE WITH PRESSURE SENSITIVE ADHESIVE. F. EXAMINATION
- 1. REFERENCE: SECTION 017000: VERIFY EXISTING CONDITIONS BEFORE STARTING
- 2. VERIFY THAT SUB-FLOOR SURFACES ARE SMOOTH AND FLAT WITHIN TOLERANCES
- SPECIFIED FOR THE TYPE OF WORK AND ARE READY TO RECEIVE FLOORING. VERIFY THAT SUB-FLOOR IS PREPARED PER ASTM 710. REMOVE COATINGS, INCLUDING CURING COMPOUNDS, AND OTHER SUBSTANCES THAT ARE INCOMPATIBLE WITH
- ADHESIVES AND THAT CONTAIN SOAP, WAX, OILS, OR SILICONE, WITHOUT USING SOLVENTS. DO NO INSTALL FLOORING IF ALKALINITY EXCEEDS 9 PH. VERIFY SUB-FLOOR MOISTURE TEST RESULTS BY CONDUCT RELATIVE HUMIDITY PER ASTM F2170. DO NOT INSTALL FLOORING IS RH EXCEED 75% RELATIVE HUMIDITY.
- REPORT MOISTURE TEST RESULTS TO ARCHITECT PRIOR TO FLOOR INSTALLATION. a. IF SUB-FLOOR TEST RESULTS EXCEED 75% RELATIVE HUMIDITY AND 9 PH, PROVIDE AND INSTALL MOISTURE MITIGATION SYSTEM, VERSASHIELD 95 UP TO 95% RELATIVE HUMIDITY
- OR VERSASHIELD MBX UP TO 99% RELATIVE HUMIDITY. b. DO NOT INSTALL IF RH WITHIN THE CONCRETE EXCEEDS 99%
- G. INSTALLATION 1. INSTALL MOISTURE SUPPRESSION MEMBRANE WITH SMOOTH FILM SIDE FACING
- 2. INSTALL IN ACCORDANCE WITH MEMBRANE MANUFACTURER'S CURRENT WRITTEN
- INSTALLATION INSTRUCTIONS. IF ANY JOBSITE CONDITION INTERFERES WITH COMPLIANCE WITH MANUFACTURER'S INSTRUCTIONS, CONTACT MANUFACTURER AND OBTAIN WRITTEN JOB-SPECIFIC
- PROCEDURES. NOTIFY ARCHITECT OR T-MOBILE'S REPRESENTATIVE AS REQUIRED. ADHESIVES - APPLY ADHESIVE TO MINERAL-COATED SURFACE OF MOISTURE SUPPRESSION MEMBRANE. USE ONLY WATER-BASED ADHESIVES. DO NOT USE
- SOLVENT-BASED ADHESIVES. PROTECTION - PROTECT MOISTURE SUPPRESSION MEMBRANE FROM DAMAGE DURING FLOORING INSTALLATION. DO NOT TEAR, RIP, PUNCTURE, OR DELAMINATE MEMBRANE WHEN APPLYING TROWEL-ON ADHESIVE. REPAIR DAMAGED AREAS ACCORDING TO MEMBRANE MANUFACTURER'S INSTRUCTIONS BEFORE FLOORING INSTALLATION. PROVIDE CONTINUOUS, INTACT MOISTURE SUPPRESSION MEMBRANE UNDER ENTIRE
- DESIGNATED FLOORING AREA. 6. INSTALL FLOORING ACCORDING TO FLOORING MANUFACTURER'S INSTRUCTIONS

DIVISION 9 - FINISHES, CONT.

- 092200 LIGHT GAGE METAL SUPPORT FRAMING A. SUMMARY: INTERIOR PARTITION, CEILING, AND SOFFIT CONSTRUCTION, NOT COVERED BY
- SECTION 054000. B. SYSTEM DESCRIPTION:

DESIGN LOADS:

- STRUCTURAL DESIGN: SELECT FRAMING SYSTEMS, GAGES, SUPPORTS, BRACING, AND CONNECTIONS AS
- NECESSARY TO MEET THE STRUCTURAL REQUIREMENTS SPECIFIED. PARTITION FRAMING SHALL CONFORM TO THE WIDTHS INDICATED, UNLESS APPROVED OTHERWISE. PROVIDE THICKER GAGES AND DECREASED STUD SPACING AS NECESSARY TO MEET THE DESIGN REQUIREMENTS.
- INTERIOR CEILING ASSEMBLIES: 5 POUNDS PER SQUARE FOOT UNIFORM LIVE LOAD, PLUS DEAD LOADS.
- INTERIOR PARTITIONS: 5 POUNDS PER SQUARE FOOT UNIFORM LIVE LATERAL LOAD. EXTERIOR SOFFITS: 25 POUNDS PER SQUARE FOOT UNIFORM LIVE LOAD.
- 3. DEFLECTION REQUIREMENTS: MAXIMUM OF 1/240 THE SPAN, EXCEPT MAXIMUM 1/360 AT TILE.
- CODE REQUIREMENTS: PROVIDE ASSEMBLIES MEETING THE HOURLY FIRE RATINGS INDICATED AND SPECIFIED. ASSEMBLIES SHALL BEEN TESTED IN ACCORDANCE WITH ASTM E119, AND
- SHALL BE APPROVED BY THE LOCAL JURISDICTIONAL CODE AUTHORITIES. COORDINATE INSTALLATION OF OTHER MATERIALS WHICH ARE A PART EACH
- FIRE RATING REQUIREMENTS TAKE PRECEDENCE OVER THE CONSTRUCTION REQUIREMENTS INDICATED. IN THE EVENT OF CONFLICT, NOTIFY THE ARCHITECT, AND DO NOT BEGIN CONSTRUCTION IN THE AREA OF CONFLICT UNTIL THE CONFLICT HAS
- PROVIDE ALL CALCULATIONS, DRAWINGS, PRODUCT DATA, AND OTHER VERIFICATION AS REQUIRED BY THE JURISDICTIONAL CODE AUTHORITY TO OBTAIN APPROVAL OF THE LIGHT GAGE METAL FRAMING INSTALLATION.
- LIGHT GAGE METAL FRAMING: ASTM C645; GALVANIZED; PROVIDE "C" SHAPED STUDS, U SHAPED RUNNERS, HAT AND "Z" SHAPED FURRING CHANNELS, AND OTHER SIZES AND SHAPES AS NECESSARY. MINIMUM 25 GAGE, EXCEPT FURNISH THICKER GAGES AS REQUIRED TO MEET DEFLECTION REQUIREMENTS.
- COLD ROLLED CHANNELS: RUST INHIBITIVE PAINT COATING; SIZES IN ACCORDANCE WITH ASTM C754.
- SCREWS: SELF-TAPPING; LOW PROFILE HEAD. SECURITY MESH: AMICO (ALABAMA METAL INDUSTRIES CORP) BIRMINGHAM AL (800/366-2642); ASM .50-13F, MINIMUM 13 GAGE, UNLESS APPROVED OTHERWISE.
- PROPRIETARY CEILING SUSPENSION SYSTEM: MANUFACTURER: AS SPECIFIED: ARMSTRONG (800-207-2321)
- ACCEPTABLE SUBSTITUTIONS:
- USG INTERIORS, INC. (CHICAGO, IL; 800-874-4968).
- CHICAGO METALLIC (CHICAGO, IL LOS ANGELES, CA; 800-323-7164).
- B. SUSPENSION SYSTEM: SIMILAR TO SYSTEM 650, OR 670; ASTM C635 HEAVY DUTY
- FURRING RUNNERS: MANUFACTURED FROM 0.020 INCH THICK STEEL 1-3/8 INCH WIDE WITH
- KNURLED FACE BY 1-1/2 INCHES HIGH; FACTORY PUNCHED CROSS TEE SLOTS, HANGER HOLES, AND NON-DIRECTIONAL BAYONET END TAB COUPLINGS. FURRING TEES: MANUFACTURED FROM 0.020 INCH THICK L-3/8 INCH WIDE WITH KNURLED
- FACE BY 1-1/2 INCHES HIGH; FACTORY PUNCHED CROSS TEE SLOTS AND HANGER HOLES. FURRING CROSS CHANNEL: 0.020 INCH THICK STEEL; 1-3/8 INCH WIDE WITH KNURLED FACE BY 7/8 INCHES HIGH BY 48 INCHES LONG WITH STRAIGHT LOCKING END TABS.
- CROSS TEES: 0.020 INCH THICK STEEL 15/16 INCH WIDE BY 1-1/2 INCHES HIGH; WITH STAKED-ON DIP END TAB COUPLINGS, FACTORY PUNCHED CROSS TEE SLOTS. MOLDINGS: MANUFACTURER'S STANDARD.
- PARTITION HEAD COMPENSATING CHANNEL (NON-RATED): DESIGN FOR MINIMUM +/- 1/2" DEFLECTION. PROFILES AS INDICATED; ONE OF THE FOLLOWING:
- 20 GAGE DEEP LEG TRACK; 2 INCH LEGS. SLIP TRACK SYSTEMS INC. (ANAHEIM, CA; 714-761-1921) "SLP-TRK." OTHER FRAMING MATERIALS: FURNISH IN ACCORDANCE WITH ASTM C 754.
- E. PARTITION FRAMING: RUNNERS:

SECURE RUNNERS WITH FASTENERS AT MAXIMUM 24 INCHES OC.

- AT CONCRETE FLOORS, USE POWDER DRIVEN FASTENERS OR DRILLED IN CONCRETE TOP RUNNER: USE PROPRIETARY COMPENSATING CHANNEL OR DEEP LEG TRACK AT
- CONTRACTOR'S OPTION, AS NECESSARY TO ACCOMMODATE BUILDING DEFLECTION. UNLESS INDICATED OTHERWISE, INSTALL STUDS VERTICALLY AT 16 INCHES O.C., AND
- NOT MORE THAN 2 INCHES FROM ABUTTING CONSTRUCTION, AT EACH SIDE OF OPENINGS, AND AT CORNERS 3. FIT RUNNERS UNDER AND ABOVE OPENINGS; SECURE INTERMEDIATE STUDS AT
- SPACING OF WALL STUDS. BRACE PARTITION FRAMING SYSTEM AND MAKE RIGID. INSTALL DOUBLE STUDS CONTINUOUS FROM FLOOR TO CEILING TRACK AT THE JAMB OF EACH DOOR FRAME AND CASED OPENING. STUDS SHALL BE THE SAME GAGE AS THE ADJACENT STUDS, BUT NO LESS THAN 20 GAGE. PROVIDE DIAGONAL STEEL STUD
- BRACING TO STRUCTURE AT EACH JAMB AT PARTITIONS WHICH DO NOT EXTEND TO COORDINATE ERECTION OF STUD SYSTEM WITH REQUIREMENTS OF DOOR AND WINDOW FRAMES, FIRE EXTINGUISHER CABINETS, RECESSED TOILET ACCESSORIES, ACCESS DOORS, AND OTHER CONSTRUCTION WITHIN MOUNTED PARTITION
- COORDINATE THE INSTALLATION OF FRAMING WITH THE GYPSUM BOARD INSTALLER TO ENSURE SUPPORT AT ALL BOARD EDGES. PROVIDE FRAMING IMMEDIATELY EITHER SIDE OF EXPANSION JOINTS.
- STUD SPLICING NOT PERMISSIBLE. AT NON-LOAD BEARING FULL HEIGHT PARTITIONS SUBJECT TO COMPRESSION CAUSED BY OVERHEAD STRUCTURAL DEFLECTION, CUT STUDS 1/2 INCH SHORT FROM FULL
- HEIGHT, EXCEPT AS OTHERWISE INDICATED. DO NOT RIGIDLY CONNECT STUD TO TOP 10. STUD BRIDGING:
- a. AT INTERIOR PARTITIONS GREATER THAN 4 FEET IN LENGTH, AND WITH RIGID FACING MATERIAL ON ONE STUD FLANGE ONLY, PROVIDE 3/4" BRIDGING CHANNELS IN HORIZONTAL ROWS AT A MAXIMUM OF 5'-0" ON CENTER FOR THE FULL HEIGHT OF THE
- INTERIOR FULL HEIGHT PARTITIONS (STUDS EXTENDING FROM THE FLOOR TO THE STRUCTURE ABOVE) WITH RIGID FACING MATERIAL STOPPING 3'-0" OR MORE BELOW TOP OF STUDS - PROVIDE ONE ROW 3/4" BRIDGING CHANNEL HORIZONTALLY AT TERMINATION OF GYPSUM BOARD MATERIAL, AND ONE ADDITIONAL ROW FOR EACH 5'-0" OF EXPOSED
- INSTALL STUD BRIDGING CHANNELS IN LONG LENGTHS, WIRE TYING AND LAPPING THE JOINTS A MINIMUM OF 12." 11. ATTACH BRIDGING CHANNEL TO EACH STUD AS SHOWN IN MANUFACTURER'S PRINTED
- 12. INSTALL SECURITY MESH AT ALL WALLS OF THE INVENTORY ROOM PER SECTION CEILING AND SOFFIT FRAMING:
- COORDINATE LOCATIONS OF HANGERS AND SUPPORTS WITH THE WORK OF OTHER PROVIDE CEILING AND SOFFIT FRAMING AS INDICATED. WHERE NOT INDICATED
- PROVIDE, STUD AND RUNNER FRAMING, SUSPENDED FRAMING, OR PROPRIETARY
- PROPRIETARY SUSPENDED FRAMING: INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 4. STUD AND RUNNER FRAMING: SECURE RUNNERS TO STRUCTURE ABOVE WITH FASTENERS AT A MAXIMUM OF 24 INCHES ON CENTER. SIZE FASTENERS AND USE REINFORCEMENTS AS NECESSARY TO SUPPORT THE DEAD LOADS APPLIED.
- SCREW FASTEN FRAMING AT EACH FLANGE JOINT. SPACE STUDS AT 16 INCHES ON CENTER AT HORIZONTAL LOCATIONS.
- SELECT MEMBERS TO MEET THE STRUCTURAL REQUIREMENTS SPECIFIED. LIGHT GAGE SUSPENDED FRAMING: INSTALL IN ACCORDANCE WITH ASTM C754, UNLESS INDICATED OR SPECIFIED
- SUSPEND CEILING FROM OVERHEAD STRUCTURAL ELEMENTS ONLY. DO NOT SUPPORT FROM ANY ELECTRICAL, HVAC, PLUMBING, OR SPRINKLER SYSTEM COMPONENTS. SPACE CARRYING CHANNELS 4 FEET ON CENTER WITH SPLICES LAPPED 12 INCHES AND
- SUPPORT COLD ROLLED CARRYING CHANNELS WITH HANGER WIRES SPACED AT 3 FEET ON CENTER FOR LATH AND PLASTER CEILINGS AND 4 FEET ON CENTER FOR GYPSUM BOARD CEILINGS. LOOP HANGER WIRE AROUND SUPPORT ELEMENT AND TIGHTLY WRAP AROUND VERTICAL WIRE 3 TIMES; CUT OFF NEATLY.

DIVISION 9 - FINISHES, CONT.

- e. SPACE FURRING CHANNELS 16" O.C. WITH SPLICES LAPPED 12", MINIMUM AND TIED; CLIP OR SADDLE TIE TO RUNNER CHANNELS WITH 16-GAGE TIE WIRE.
- WHERE OVERHEAD OBSTRUCTIONS PREVENT THE REGULAR SPACING OF HANGERS. PROVIDE SECONDARY CARRYING MEMBERS FOR INDIRECT SUPPORT OF THE SUSPENSION SYSTEM, OR REINFORCE THE NEAREST ADJACENT HANGERS AND RELATED FRAMING COMPONENTS AS REQUIRED TO SPAN THE REQUIRED DISTANCE.
- STABILIZE SUSPENDED CEILING, SOFFIT, AND FASCIA FRAMING AGAINST LATERAL MOVEMENT BY MEANS OF DIAGONAL BRACING. AT LOCATIONS WHERE PARTITIONS EXTEND TO CEILING, ONLY, INSTALL SUPPLEMENTARY BRACING AT MAXIMUM 8'-0" O.C ALONG LENGTH OF PARTITION, AND ABOVE EACH DOOR HINGE AND STRIKE JAMB. FORM OPENINGS IN CEILINGS AND FRAME OPENINGS FOR RECESSED LIGHT FIXTURES.
- AIR DIFFUSERS, ACCESS DOORS, HATCHES, ETC. INSTALL SUPPLEMENTARY HANGER WIRES FOR SUPPORT OF CEILING MOUNTED EQUIPMENT.
- G.BACKING: PROVIDE STEEL BACKING WHERE INDICATED. AT CONTRACTOR'S OPTION STEEL BACKING PLATES MAY BE SUBSTITUTED FOR WOOD BLOCKING, EXCEPT WOOD BLOCKING SHALL BE USED AT THE FOLLOWING LOCATIONS: HANDRAILS, GUARDRAILS
- GRAB BARS, AND SIMILAR SAFETY ITEMS. UNLESS INDICATED OTHERWISE, STEEL BACKING SHALL CONSIST OF MINIMUM 4 INCH WIDE 16 GAGE STEEL PLATE SCREWED RIGIDLY TO THE STUDS. H.INSTALLATION TOLERANCES:
- INSTALL MEMBERS TO PROVIDE SURFACE PLANE WITH MAXIMUM VARIATION OF 1/8 INCH IN 10 FEET IN ANY DIRECTION. LOCATE ASSEMBLIES WITHIN 1/4 INCH OF REQUIRED LOCATIONS.

METAL STUD SCHEDULE

		INTERIOR		
HEIGHT	STUD	FLANGE	GAGE	SPACING
12'-0"	3 5/8"	1 5/8"	20	24" O.C.
14'-0"	3 5/8"	1 5/8"	20	16" O.C.
16'-0"	3 5/8"	1 5/8"	18	16" O.C.
18'-0"	3 5/8"	1 5/8"	16	12" O.C.
		EXTERIOR		
HEIGHT	STUD	FLANGE	GAGE	SPACING
12'-0"	6"	2"	18	16" O.C.
14'-0"	6"	2"	16	12" O.C.
16'-0"	6"	2 1/2"	14	12" O.C.
18'-0"	6"	2 1/2"	12	12" O.C.

092200 INVENTORY ROOM SPECIFICATIONS

- A. WALLS AND CEILING WALLS MUST BE DECK-TO-DECK, CEILING TO HARD DECK CEILING, OR 6" ABOVE
- CEILING AS DESCRIBED IN THE WALL TYPES ON SHEET A531. HARDENING: EXPANDED CARBON STEEL AND FIBER-CEMENT BACKERBOARD MATERIALS MUST BE INSTALLED ON THE INTERIOR SIDE OF THE INVENTORY ROOM
- WALL STUDS. . EXPANDED CARBON STEEL SECURITY MESH: AMICO (ALABAMA METAL INDUSTRIES CORP) BIRMINGHAM AL (800/366-2642): ASM .50-13F. MINIMUM 13 GAGE. UNLESS APPROVED
- OTHERWISE. INSTALL ON THE INTERIOR SIDE OF THE WALL STUDS. I. STEEL MUST MEET OR EXCEED ASTM A-569 HSLA STEEL. CONVENTIONAL EXPANDED CARBON STEEL THAT IS NOT MANUFACTURED SPECIFICALLY FOR SECURITY
- PURPOSES IS NOT ACCEPTABLE FOR THIS USE. II. CARBON STEEL (MESH) SIZE OPENINGS MAY NOT EXCEED THE FOLLOWING
- DIMENSIONS: 0.5 INCH X 1.26 INCHES. III.ANCHOR THE EXPANDED CARBON STEEL (INCLUDING ALL SEAMS) TO EACH STUD USING SECURE CLIPS IAMICO SECURA CLIPSI (FASTENERS WITH AN EXPANDED SURFACE AREA) WITH FLAT HEAD, PHILLIPS, ONE-WAY, STEEL SCREWS SPACED NO MORE THAN 12 INCHES APART VERTICALLY (DRYWALL SCREWS ARE UNACCEPTABLE) STEEL SCREWS MUST PENETRATE THROUGH THE STUDS BY AT LEAST 0.25 INCH, PER
- MANUFACTURER INSTRUCTIONS. IV. END JOINTS MUST BE BUTTED AND OCCUR OVER STUDS. IF OVERLAPPING IS NECESSARY, A LONGER SCREW MUST BE USED TO MAINTAIN A 0.25 INCH STUD
- PENETRATION. B. FIBER-CEMENT BACKERBOARD I. INSTALL 0.5 INCH FIBER-CEMENT HARDIBACKER (JAMES HARDIE BUILDING PRODUCTS, INC.) BACKERBOARD ON THE INTERIOR SIDE OF THE WALL STUDS (BUT DIRECTLY
- OVER THE EXPANDED CARBON STEEL). II. HARDIBACKER FIBER-CEMENT BACKERBOARD MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. HARDIBACKER INFORMATION CAN BE
- HTTP://WWW.JAMESHARDIE.COM/BACKERBOARD/HOMEOWNER/HARDIBACKER500.PHP III.END JOINTS MUST BE BUTTED AND OCCUR OVER STUDS. 4. AVOID VENTS IN THE INVENTORY ROOMS. IF REQUIRED, VENTS OR LOUVERS MUST BE: a. NO GREATER THAN 24 SQUARE INCHES AND LOCATED BEHIND (EXTERIOR SIDE OF) THE
- EXPANDED CARBON STEEL DESCRIBED IN SECTION 1.3.1 (ABOVE). b. SUPPLY / RETURN DUCTS SHALL NOT EXCEED 24" SQUARE. INSTALL BURGLAR BARS IF OPENING EXCEEDS THE RECOMMENDED SIZES.
- B. INVENTORY ROOM DOOR (SEE DOOR SCHEDULE AND BELOW) INVENTORY ROOMS MAY ONLY HAVE ONE (1) ACCESS POINT/DOOR. DUTCH DOORS MUST NOT BE INSTALLED.
- THE DOOR MUST BE METAL OR OF SOLID CORE WOOD CONSTRUCTION, AND A MINIMUM OF 1.75 INCHES THICK. a. A METAL DOOR MUST BE OF 16-GAUGE STEEL. E-016; b. A SOLID CORE WOODEN DOOR REQUIRES A 16-GAUGE STEEL SKIN.
- . THE DOOR MAY NOT HAVE VENTS, LOUVERS, OR CONTAIN ANY OPENINGS OTHER THAN THOSE NECESSARY TO AFFIX THE DOOR HARDWARE/HANDLE. 4. THE DOOR FRAME MUST BE STEEL AND REINFORCED TO ENSURE DURABILITY.
- a. THE STEEL FRAME MUST BE ANCHORED TO THE WALL IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS OR BEST PRACTICES; b. SUPPORTING WALL STRUCTURES MUST CONSIST OF DOUBLE STUDDING OR FRAMING OF
- EQUIVALENT STRENGTH; AND THERE MUST NOT BE MORE THAN 0.125 INCH CLEARANCE BETWEEN THE DOOR AND THE
- 5. THE DOOR MUST BE EQUIPPED WITH A PROPERLY FUNCTIONING, COMMERCIAL GRADE, AUTOMATIC DOOR CLOSER DEVICE. IF THE DOOR HINGES ARE ACCESSIBLE FROM THE EXTERIOR SIDE, THE HINGE MUST
- BE A HEAVY DUTY CONTINUOUS (PIANO OR ROTON) HINGE.
- THE DOOR MUST BE EQUIPPED WITH A LATCH GUARD COVERING THE EXTERIOR LATCH EXPOSURE.
- C.LOCKS/ KEYS 1. INVENTORY ROOM DOORS MUST BE EQUIPPED WITH HIGH QUALITY, COMMERCIAL
- GRADE LOCKS THAT: a. USE MANUFACTURER-RESTRICTED KEYWAYS (INCLUDING INSTAKEY) AND
- b. CANNOT BE SET IN AN UNLOCKED STATE (I.E., STOREROOM FUNCTION). THE SECURITECH 4850 MP 5 POLICE LOCK (5-POINT SECURITY LOCK) LOCKING SYSTEM MUST BE INSTALLED ON THE INTERIOR SIDE OF THE INVENTORY ROOM TO SECURE THE INVENTORY ROOM DOOR AFTER HOURS. SECURITECH 4850 INFORMATION CAN BE
- a. <u>HTTP://WWW.SECURITECH.COM/D01-MP-POLICE-LOCK.HTML AND</u>

HTTP://WWW.SECURITECH.COM/WEB%20CATALOG/4%20MULTI-POINT%20LOCKING/D18.PDF

092813 GYPSUM SHEATHING

- A.MATERIALS: GYPSUM SHEATHING: ONE OF THE FOLLOWING: A. G-P GYPSUM CORPORATION "DENS-GLASS GOLD"; GLASS MAT FACED; ASTM C1177; 1/2
- B. USG FIBEROCK BRAND SHEATHING WITH AQUA-TOUGH ™; ½ INCH THICK. 2. SCREWS: GALVANIZED; SELF-DRILLING; SELF-DRILLING, BUGLE HEAD SCREWS; MINIMUM 1-1/4 INCH LONG.
- INSTALL SQUARE EDGE BOARDS PARALLEL OR PERPENDICULAR TO FRAMING. INSTALL BOARDS PARALLEL TO FRAMING AT FIRE RATED WALLS. APPLY SHEATHING WITH JOINTS STAGGERED. ALL EDGES SHALL BE FIRMLY SUPPORTED.
- INSTALL SHEATHING WITH COATING TOWARDS EXTERIOR. SCREW TO FRAMING. SPACE FASTENERS 8 INCHES O.C. IN FIELD AND 4 INCHES O.C. AT ENDS ALONG EACH FRAMING MEMBER.
- 4. DO NOT BRIDGE EXPANSION OR SEISMIC JOINTS.

DIVISION 9 - FINISHES, CONT.

092900 GYPSUM BOARD

- A. QUALITY CONTROL: PROVIDE ASSEMBLIES MEETING THE HOURLY FIRE RATINGS INDICATED. ASSEMBLIES SHALL BE APPROVED BY THE LOCAL JURISDICTIONAL CODE AUTHORITIES.
 - MATERIALS: 1. SYNTHETIC GYPSUM BOARD:
- a. MANUFACTURERS: NATIONAL GYPSUM CO. "GOLD BOND BRAND"; USG CORPORATION, "SHEETROCK BRAND"; TEMPLE-INLAND GYPSUM, "SYNTHETIC GYPSUM." 5/8 INCH THICK UNLESS NOTED OTHERWISE; PROVIDE TYPE X IN FIRE RATED PARTITIONS. c. STANDARD BOARD: ASTM C36.
- ACCESSORIES: TRIM: CONCEALED FLANGE SCREW-ON TYPE; METAL; GA 216.
- JOINT COMPOUND, TAPE, AND FINISHING COMPOUND: ASTM C475 AND GA 216. SCREWS: ASTM C1002. PROPRIETARY SKIM COAT: USG "TUFF-HIDE SHEETROCK BRAND PRIMER-SURFACER."
- : INSTALLATION: INSTALLATION STANDARD: UNLESS SPECIFIED OTHERWISE, PERFORM WORK IN ACCORDANCE WITH GYPSUM ASSOCIATION 216. "RECOMMENDED SPECIFICATIONS FOR
- THE APPLICATION AND FINISHING OF GYPSUM WALLBOARD." INSTALL WATER RESISTANT BOARD RESTROOM WALLS AS A SUBSTRATE FOR
- SCREW FASTEN BOARD TO FRAMING, UNLESS APPROVED OTHERWISE. a. USE LONGEST PRACTICAL LENGTHS, WITH NO PIECE LESS THAN 2 FEET LONG FOR
- CONTINUOUS RUNS GREATER THAN 8 FEET. SECURELY FASTEN AND ALIGN TRIM ENDS AT b. PLACE CONCEALED FLANGE CORNER BEADS AT ALL EXTERNAL CORNERS. AT ANGLES
- OTHER THAN 90 DEGREES. BEND THE FLANGE TO CONFORM TO THE ANGLE. c. PLACE CONCEALED FLANGE TYPE L TRIM WHERE GYPSUM BOARD ABUTS DISSIMILAR MATERIALS. d. USE J TRIM AT EXPOSED GYPSUM BOARD EDGES (INCLUDING LIGHT COVES) WHERE
- SEALANT JOINT IS INDICATED. CONTROL JOINTS: a. POSITION CONTROL JOINTS TO INTERSECT LIGHT FIXTURES, AIR DIFFUSERS, DOOR
- OPENINGS, AND OTHER AREAS OF STRESS CONCENTRATION. b. POSITION CONTROL JOINTS AT LOCATIONS WHERE EXPANSION OR CONTROL JOINTS OCCUR IN THE BUILDING STRUCTURE. c. LOCATE CONTROL JOINTS TO FORM RECTANGULAR OR SQUARE SECTIONS, IN "L," "U," "T,"
- OR OTHER IRREGULARLY SHAPED AREAS. FINISHING:
- PROVIDE FINISHING IN ACCORDANCE WITH GA 214. b. WHERE NECESSARY TO SAND, DO SO WITHOUT DAMAGING THE FACE OF THE GYPSUM
- c. LEVELS OF FINISH: PROVIDE AS NOTED IN DRAWINGS c.a. LEVEL 4: SALES AREA. PROVIDE UNLESS INDICATED OR SPECIFIED OTHERWISE.
- c.c. LEVEL 2: BACK OF HOUSE, STORAGE ROOMS, MECHANICAL ROOMS, JANITOR'S CLOSETS OR AS NOTED ON DRAWINGS. c.d. LEVEL 1: PROVIDE AT THE FOLLOWING LOCATIONS:

c.b. LEVEL 3: PUBLIC TOILET ROOMS & HALLWAYS OR AS NOTED ON DRAWINGS.

- c.d.a. SURFACES OF FIRE RATED ASSEMBLIES CONCEALED FROM VIEW IN THE FINISHED WORK ("FIRE TAPING"). c.d.b. SURFACES OF ACOUSTICAL ASSEMBLIES CONCEALED FORM VIEW IN THE FINISHED
- c.e. LEVEL 0: PROVIDE AT THE FOLLOWING LOCATIONS: SURFACES OF NON-FIRE RATED ASSEMBLIES CONCEALED FROM VIEW IN THE FINISHED WORKLEVEL 4 AND 5 FINISHES: RETURN TO THE SITE AFTER PRIMER IS APPLIED, AND TOUCH-UP SURFACE DEFECTS. PROPRIETARY SKIM COAT MATERIAL MAY BE USED IN LIEU OF JOINT COMPOUND AS SKIM

COAT AT LEVEL 5 SURFACES 093105 CERAMIC TILE

- . GENERAL RELATED DOCUMENTS
- DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND OTHER DIVISION 1 SPECIFICATION SECTIONS, APPLY TO THIS SECTION. STATIC COEFFICIENT OF FRICTION: FOR TILE INSTALLED ON WALKWAY SURFACES.
- PROVIDE PRODUCTS WITH THE FOLLOWING VALUES AS DETERMINED BY TESTING IDENTICAL PRODUCTS PER ASTM C 1028: c. LEVEL SURFACES: MINIMUM 0.6.
- B. PRODUCTS MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS AS SHOWN ON FINISH MATERIAL SCHEDULE. TILE-SETTING AND -GROUTING MATERIALS: AS SHOWN ON FINISH MATERIAL SCHEDULE.
- ANSI CERAMIC TILE STANDARD: PROVIDE TILE THAT COMPLIES WITH STANDARD GRADE REQUIREMENTS OF ANSI A137.1, "SPECIFICATIONS FOR CERAMIC TILE," FOR TYPES, COMPOSITIONS, AND OTHER CHARACTERISTICS INDICATED.
- ANSI STANDARDS FOR TILE INSTALLATION MATERIALS: PROVIDE MATERIALS COMPLYING WITH REFERENCED ANSI STANDARDS. COLORS, TEXTURES, AND PATTERNS: FOR TILE, GROUT, AND OTHER PRODUCTS REQUIRING SELECTION OF COLORS, SURFACE TEXTURES, PATTERNS, AND OTHER APPEARANCE CHARACTERISTICS, COMPLY WITH THE FOLLOWING REQUIREMENTS:
- MATCH COLORS, TEXTURES, AND PATTERNS INDICATED BY REFERENCING MANUFACTURER'S STANDARD DESIGNATIONS FOR THESE CHARACTERISTICS. 5. FACTORY BLENDING: FOR TILE EXHIBITING COLOR VARIATIONS WITHIN THE RANGES
- SELECTED DURING SAMPLE SUBMITTALS, BLEND TILE IN THE FACTORY AND PACKAGE SO TILE UNITS TAKEN FROM ONE PACKAGE SHOW THE SAME RANGE IN COLORS AS THOSE TAKEN FROM OTHER PACKAGES AND MATCH APPROVED SAMPLES.
- FLOOR TILE: PROVIDE FLAT TILE COMPLYING WITH THE FOLLOWING REQUIREMENTS:
- a. COMPOSITION: AS NOTED IN DRAWINGS.
- b. FACIAL DIMENSIONS: AS NOTED IN DRAWINGS. THICKNESS: AS NOTED IN DRAWINGS d. FACE: AS NOTED IN DRAWINGS.
- e. FOR LATEX-PORTLAND CEMENT MORTARED AND GROUTED PAVER TILE, PRE-COAT WITH TEMPORARY PROTECTIVE COATING. 7. VALL TILE: PROVIDE FLAT TILE COMPLYING WITH THE FOLLOWING REQUIREMENTS:
- b. THICKNESS: AS NOTED IN DRAWINGS

a. MODULE SIZE: AS NOTED IN DRAWINGS

COMPLY WITH ANSI A118.10.

SETTING MATERIALS: AS FOLLOWS:

- FACE: AS NOTED IN DRAWINGS d. MOUNTING: PRE-GROUTED SHEETS OF TILES FACTORY ASSEMBLED AND GROUTED WITH MANUFACTURER'S STANDARD SILICONE RUBBER COMPLYING WITH ANSI A118.6. 8. WATERPROOFING FOR THIN-SET TILE INSTALLATIONS: PROVIDE PRODUCTS THAT
- a. LATEX-PORTLAND CEMENT MORTAR: ANSI A118.4, COMPOSED AS FOLLOWS: b. PREPACKAGED DRY-MORTAR MIX: FACTORY-PREPARED MIXTURE OF PORTLAND CEMENT; DRY, REDISPERSIBLE, ETHYLENE VINYL ACETATE ADDITIVE; AND OTHER INGREDIENTS TO WHICH ONLY WATER NEEDS TO BE ADDED AT PROJECT SITE.
- MIXTURE OF DRY-MORTAR MIX AND LATEX ADDITIVE: MIXTURE OF PREPACKAGED DRY-MORTAR MIX AND LIQUID-LATEX ADDITIVE COMPLYING WITH THE FOLLOWING
- REQUIREMENTS: 10. LATEX ADDITIVE: STYRENE BUTADIENE RUBBER. 11. LATEX ADDITIVE: ACRYLIC RESIN.

a. CHEMICAL-RESISTANT, WATER-CLEANABLE, CERAMIC TILE-SETTING AND -GROUTING

- PROVIDE PRODUCT CAPABLE OF RESISTING CONTINUOUS AND INTERMITTENT EXPOSURE TO TEMPERATURES OF UP TO 140 DEG F (60 DEG C) AND 212 DEG F (100 DEG C), RESPECTIVELY, AS CERTIFIED BY MORTAR MANUFACTURER FOR INTENDED USE. WATER-CLEANABLE, TILE-SETTING EPOXY ADHESIVE: ANSI A118.3.
- CRETE FILLER POWDER OR LATICRETE 3701 LATEX ADMIXTURE WITH LATICRETE FLOOR AND WALL THIN SET. PROVIDE LATICRETE 9235 WATERPROOF MEMBRANE PER MFR. RECOMMENDATIONS. 12. GROUTING MATERIALS: AS FOLLOWS:

GROUT FOR EXTERIOR: LATICRETE 4237 LATEX THIN SET MORTAR ADDITIVE WITH 211

- a. LATEX-PORTLAND CEMENT GROUT: ANSI A118.6 FOR MATERIALS DESCRIBED IN SECTION H-2.4, COMPOSED AS FOLLOWS: a.a. MIXTURE OF DRY-GROUT MIX AND LATEX ADDITIVE: MIXTURE OF FACTORY-PREPARED, DRY-GROUT MIX AND LATEX ADDITIVE COMPLYING WITH THE FOLLOWING
- 13. UNSANDED DRY-GROUT MIX: DRY-SET GROUT COMPLYING WITH ANSI A118.6 FOR MATERIALS DESCRIBED IN SECTION H-2.3, FOR JOINTS 1/8 INCH (3.2 MM) AND 14. SANDED DRY-GROUT MIX: COMMERCIAL PORTLAND CEMENT GROUT COMPLYING WITH
- ANSI A118.6 FOR MATERIALS DESCRIBED IN SECTION H-2.1, FOR JOINTS 1/8 INCH (3.2 15. LATEX ADDITIVE: STYRENE BUTADIENE RUBBER.

LATEX ADDITIVE: ACRYLIC RESIN.

BELLEVUE. WA 98006 www.t-mobile.com

Firm's License #

State License #

DESCRIPTION BUILDING DEPARTMENT

CORPORATE - RELO

DESIGN DEVELOPMENT

S 08

DATF: 12/19/2017 SCALE: DRAWN BY: PROJECT No .: TMO364

DIVISION 9 - FINISHES, CONT.

- 16.a.CHEMICAL-RESISTANT EPOXY GROUT: ANSI A118.3. COLOR AS INDICATED. 16.b.PROVIDE PRODUCT CAPABLE OF RESISTING CONTINUOUS AND INTERMITTENT EXPOSURE TO TEMPERATURES OF UP TO 140 DEG F (60 DEG C) AND 212 DEG F (100 DEG C), RESPECTIVELY, AS CERTIFIED BY MORTAR MANUFACTURER FOR INTENDED USE.
- 17. ELASTOMERIC SEALANTS: PROVIDE MANUFACTURER'S STANDARD CHEMICALLY CURING, ELASTOMERIC SEALANTS OF BASE POLYMER AND CHARACTERISTICS INDICATED THAT COMPLY WITH APPLICABLE REQUIREMENTS OF DIVISION 7 SECTION "JOINT SEALANTS."
- 17.a.ONE-PART, MILDEW-RESISTANT SILICONE SEALANT: ASTM C 920; TYPE S; GRADE NS; CLASS 25; USES NT, G, A, AND, AS APPLICABLE TO NONPOROUS JOINT SUBSTRATES INDICATED. O: FORMULATED WITH FUNGICIDE.
- 18. CEMENTITIOUS BACKER UNITS: PROVIDE PRODUCTS COMPLYING WITH ANSI A118.9, OF THICKNESS AND WIDTH INDICATED. AND IN MAXIMUM LENGTHS AVAILABLE TO MINIMIZE END-TO-END BUTT JOINTS.
- 19. MISCELLANEOUS MATERIALS: AS FOLLOWS:
- a. TROWELABLE UNDERLAYMENTS AND PATCHING COMPOUNDS: LATEX-MODIFIED, PORTLAND-CEMENT-BASED FORMULATION PROVIDED OR APPROVED BY MANUFACTURER OF TILE-SETTING MATERIALS FOR INSTALLATIONS INDICATED. b. METAL EDGE STRIPS: WHITE-ZINC-ALLOY TERRAZZO STRIPS, 1/8 INCH (3.2 MM) WIDE AT
- TOP EDGE WITH INTEGRAL PROVISION FOR ANCHORAGE TO MORTAR BED OR SUBSTRATE, UNLESS OTHERWISE INDICATED.
- 20. WATERPROOF MEMBRANE INSTALLATION: (COORDINATE WITH LANDLORD REQUIREMENTS)
- INSTALL WATERPROOF MEMBRANES IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- C.PREPARATION: CLEAN SUBSTRATE SURFACES FREE OF GREASE, DIRT, DUST, ORGANIC IMPURITIES, CURING AGENTS, AND OTHER MATERIALS THAT WOULD IMPAIR BOND, CLEAN FLOORS WITH "BLAST-TRACK" UNIT IF NECESSARY. SLAB LEVELING: (COORDINATE WITH LANDLORD REQUIREMENTS)
- PRIOR TO INSTALLATION OF THINSET FLOOR TILE, WHERE LOCAL IRREGULARITIES IN THE SUBSTRATE SURFACE WOULD PREVENT LEVEL INSTALLATION OF THE TILE, THE SUBSTRATE SHALL BE BROUGHT TO PLANE SURFACE WITH VARIATIONS NOT TO EXCEED 1/8 INCH IN 4 FEET (CUMULATIVE) AND 1/4 INCH IN 10 FEET (NON-CUMULATIVE).
- SMOOTH ALL ABRUPT CHANGES IN PLANE. USE THINSET MORTAR OR OTHER FILLER FOR SLAB LEVELING. OTHER FILLERS ARE
- SUBJECT TO ENDORSEMENT BY THE SETTING MORTAR MANUFACTURER. SCREED OR FLOAT TO APPROPRIATE THICKNESS AND SPECIFIED SURFACE TOLERANCE. ALLOW TO SET PRIOR TO PROCEEDING WITH INSTALLATION. DO NOT EXCEED THE MAXIMUM THICKNESSES FOR THIN BED MORTAR AS RECOMMENDED BY THE MANUFACTURER.
- D.EXECUTION PROVIDE CONCRETE SUBSTRATES FOR TILE FLOORS INSTALLED WITH DRY-SET OR LATEX-PORTLAND CEMENT MORTARS THAT COMPLY WITH FLATNESS TOLERANCES SPECIFIED IN REFERENCED ANSI A108 SERIES OF TILE INSTALLATION STANDARDS FOR INSTALLATIONS INDICATED.
- a. USE TROWELABLE LEVELING AND PATCHING COMPOUNDS PER TILE-SETTING MATERIAL MANUFACTURER'S WRITTEN INSTRUCTIONS TO FILL CRACKS, HOLES, AND DEPRESSIONS.
- REMOVE PROTRUSIONS, BUMPS, AND RIDGES BY SANDING OR GRINDING. BLENDING: FOR TILE EXHIBITING COLOR VARIATIONS WITHIN THE RANGES SELECTED DURING SAMPLE SUBMITTALS, VERIFY THAT TILE HAS BEEN BLENDED IN THE FACTORY AND PACKAGED SO TILE UNITS TAKEN FROM ONE PACKAGE SHOW THE SAME RANGE IN
- COLORS AS THOSE TAKEN FROM OTHER PACKAGES AND MATCH APPROVED SAMPLES. ANSI TILE INSTALLATION STANDARDS: COMPLY WITH PARTS OF ANSI A108 SERIES OF TILE INSTALLATION STANDARDS IN "SPECIFICATIONS FOR INSTALLATION OF CERAMIC TILE" THAT APPLY TO TYPES OF SETTING AND GROUTING MATERIALS AND TO METHODS INDICATED OR REQUIRED.
- TCA INSTALLATION GUIDELINES: TCA'S "HANDBOOK FOR CERAMIC TILE INSTALLATION." COMPLY WITH TCA INSTALLATION METHODS INDICATED OR REQUIRED.
- EXTEND TILE WORK INTO RECESSES AND UNDER OR BEHIND EQUIPMENT AND FIXTURES TO FORM A COMPLETE COVERING WITHOUT INTERRUPTIONS, UNLESS OTHERWISE INDICATED. TERMINATE WORK NEATLY AT OBSTRUCTIONS, EDGES, AND CORNERS WITHOUT DISRUPTING PATTERN OR JOINT ALIGNMENTS.
- ACCURATELY FORM INTERSECTIONS AND RETURNS. PERFORM CUTTING AND DRILLING OF TILE WITHOUT MARRING VISIBLE SURFACES. CAREFULLY GRIND CUT EDGES OF TILE ABUTTING TRIM. FINISH. OR BUILT-IN ITEMS FOR STRAIGHT ALIGNED JOINTS. FIT TILE CLOSELY TO ELECTRICAL OUTLETS, PIPING, FIXTURES, AND OTHER
- PENETRATIONS SO PLATES, COLLARS, OR COVERS OVERLAP TILE. JOINTING PATTERN: LAY TILE IN GRID PATTERN. UNLESS OTHERWISE INDICATED. ALIGN JOINTS WHERE ADJOINING TILES ON FLOOR, BASE, WALLS, AND TRIM ARE THE SAME SIZE. LAY OUT TILE WORK AND CENTER TILE FIELDS IN BOTH DIRECTIONS IN EACH SPACE OR ON EACH WALL AREA. ADJUST TO MINIMIZE TILE CUTTING. PROVIDE
- UNIFORM JOINT WIDTHS, UNLESS OTHERWISE INDICATED. EXPANSION JOINTS: LOCATE EXPANSION JOINTS AND OTHER SEALANT-FILLED JOINTS, INCLUDING CONTROL, CONTRACTION, AND ISOLATION JOINTS, WHERE INDICATED DURING INSTALLATION OF SETTING MATERIALS, MORTAR BEDS, AND TILE. DO NOT SAW-CUT JOINTS AFTER INSTALLING TILES.
- 9. LOCATE JOINTS IN TILE SURFACES DIRECTLY ABOVE JOINTS IN CONCRETE
- 10. PREPARE JOINTS AND APPLY SEALANTS TO COMPLY WITH REQUIREMENTS OF DIVISION 7 SECTION "JOINT SEALANTS."
- 11. GROUT TILE TO COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING TILE
- INSTALLATION STANDARDS: 12. FOR CERAMIC TILE GROUTS (SAND-PORTLAND CEMENT, DRY-SET, COMMERCIAL
- PORTLAND CEMENT, AND LATEX-PORTLAND CEMENT GROUTS), COMPLY WITH ANSI 13. FLOOR TILE INSTALLATION: INSTALL TILE TO COMPLY WITH REQUIREMENTS INDICATED,
- INCLUDING THOSE REFERENCING TCA INSTALLATION METHODS AND ANSI A108 SERIES OF TILE INSTALLATION STANDARDS. 14. JOINT WIDTHS: INSTALL TILE ON FLOORS WITH THE FOLLOWING JOINT WIDTHS:
- 15. PAVER TILE: 1/4 INCH (6.35 MM). 16. BACK BUTTERING: FOR INSTALLATIONS INDICATED, OBTAIN 100 PERCENT MORTAR
- BUTTERING OF TILE IN REFERENCED ANSI A108 SERIES OF TILE INSTALLATION 17. METAL EDGE STRIPS: INSTALL AT LOCATIONS INDICATED OR WHERE EXPOSED EDGE OF TILE FLOORING MEETS CARPET, WOOD, OR OTHER FLOORING THAT FINISHES

COVERAGE BY COMPLYING WITH APPLICABLE SPECIAL REQUIREMENTS FOR BACK

- FLUSH WITH TOP OF TILE. 18. WALL TILE INSTALLATION: INSTALL TYPES OF TILE DESIGNATED FOR WALL INSTALLATIONS TO COMPLY WITH MANUFACTURERS' REQUIREMENTS, INCLUDING
- THOSE REFERENCING TCA INSTALLATION METHODS AND ANSI SETTING-BED
- 19. JOINT WIDTHS: INSTALL TILE ON WALLS WITH THE FOLLOWING JOINT WIDTHS: 20. WALL TILE: 1/16 INCH (1.6 MM).
- BACK BUTTERING: FOR INSTALLATIONS INDICATED, OBTAIN 100 PERCENT MORTAR COVERAGE BY COMPLYING WITH APPLICABLE SPECIAL REQUIREMENTS FOR BACK BUTTERING OF TILE IN REFERENCED ANSI A108 SERIES OF TILE INSTALLATION STANDARDS
- 22. CLEANING: ON COMPLETION OF PLACEMENT AND GROUTING, CLEAN ALL CERAMIC TILE SURFACES SO THEY ARE FREE OF FOREIGN MATTER. USE CLEANING MATERIALS AND METHODS THAT COMPLY WITH TILE AND GROUT MANUFACTURERS' WRITTEN INSTRUCTIONS.

096403 WOOD FLOORING

- A.GENERAL 1. RELATED DOCUMENTS: DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 1 SPECIFICATION SECTIONS, APPLY TO THIS SECTION.
- SUMMARY a. ENGINEERED WOOD FLOOR.
- QUALITY ASSURANCE
- INSTALLER QUALIFICATIONS: INSTALLATION SHALL BE PERFORMED BY A FIRM EXPERIENCED IN THE APPLICATION OF SYSTEMS SIMILAR IN COMPLEXITY TO THOSE REQUIRED FOR THIS PROJECT. ADDITIONALLY, INSTALLERS SHALL BE IN POSSESSION OF THE MANUFACTURER'S INSTALLATION MANUAL AND ADHERE TO THE INSTRUCTIONS.
- HARDWOOD FLOORING: COMPLY WITH NOFMA GRADING RULES FOR SPECIES, GRADE, AND CUT. CERTIFICATION: PROVIDE FLOORING THAT CARRIES NOFMA GRADE STAMP ON EACH BUNDLE OR PIECE. MAPLE FLOORING: COMPLY WITH MFMA GRADING RULES FOR SPECIES, GRADE, AND CUT.
- CERTIFICATION: PROVIDE FLOORING THAT CARRIES MFMA MARK ON EACH BUNDLE OR
- d. SOUTHERN PINE FLOORING: COMPLY WITH SPIB GRADING RULES FOR SPECIES, GRADE,
- e. SOFTWOOD FLOORING: COMPLY WITH WCLIB NO. 17 GRADING RULES FOR SPECIES, GRADE, AND CUT.
- 4. PROJECT CONDITIONS

DIVISION 9 - FINISHES, CONT.

- a. CONDITIONING: MAINTAIN RELATIVE HUMIDITY PLANNED FOR BUILDING OCCUPANTS AND AN AMBIENT TEMPERATURE BETWEEN 65 AND 75 DEG F (18 AND 24 DEG C) IN SPACES TO RECEIVE WOOD FLOORING FOR AT LEAST SEVEN DAYS BEFORE INSTALLATION. DURING INSTALLATION, AND FOR AT LEAST SEVEN DAYS AFTER INSTALLATION. AFTER POST-INSTALLATION PERIOD, MAINTAIN RELATIVE HUMIDITY AND AMBIENT TEMPERATURE PLANNED FOR BUILDING OCCUPANTS.
- MOVE WOOD FLOORING INTO SPACES WHERE IT WILL BE INSTALLED, AT LEAST SEVEN DAYS BEFORE INSTALLATION.
- FOR UNFINISHED PRODUCTS, OPEN SEALED PACKAGES TO ALLOW WOOD FLOORING TO ACCLIMATIZE. DO NOT INSTALL FLOORING UNTIL IT ADJUSTS TO THE RELATIVE HUMIDITY OF AND IS AT
- THE SAME TEMPERATURE AS THE SPACE WHERE IT IS TO BE INSTALLED. INSTALL FACTORY-FINISHED WOOD FLOORING AFTER OTHER FINISHING OPERATIONS. INCLUDING PAINTING, HAVE BEEN COMPLETED.
- B. PRODUCTS ENGINEERED-WOOD STRIP OR PLANK FLOORING PRODUCTS: AS INDICATED ON THE FINISH MATERIAL SCHEDULE. NO SUBSTITUTIONS. ENGINEERED-WOOD STRIP OR PLANK FLOORING: ANSI/HPVA LF.
- SPECIES: AS INDICATED ON DRAWINGS.
- GRADE: MANUFACTURERS STANDARD. THICKNESS: AS NOTED IN DRAWINGS
- CONSTRUCTION: AS NOTED IN DRAWINGS WIDTH: AS NOTED IN DRAWINGS
- LENGTH: AS NOTED IN DRAWINGS. EDGES: AS NOTED IN DRAWINGS. FINISH: AS NOTED IN DRAWINGS.
- ACCESSORY MATERIALS WOOD FLOORING ADHESIVE: MASTIC RECOMMENDED BY FLOORING AND ADHESIVE MANUFACTURERS FOR APPLICATION INDICATED. (NOT USED IN FLOATING FLOOR
- FASTENERS: AS RECOMMENDED BY MANUFACTURER, BUT NOT LESS THAN THAT RECOMMENDED IN NOFMA'S "INSTALLING HARDWOOD FLOORING." (NOT USED IN FLOATING FLOOR SYSTEM)
- VAPOR RETARDER: ASTM D 4397, POLYETHYLENE SHEET NOT LESS THAN [6.0 MILS (0.15 MM)1 THICK VERSASHIELD FLOORING UNDERLAYMENT WITH VERSASSHIELD SEAM TAPE INSTALLED
- PER MANUFACTURER INSTRUCTIONS. CORK EXPANSION STRIP: COMPOSITION CORK STRIP COMPLYING WITH FS HH-C-576, TYPE I-B, CLASS 2. WOOD FEATURE STRIPS: 2-INCH- (51-MM-) WIDE, SQUARE-EDGED WALNUT STRIPS
- FURNISHED IN LENGTHS AS LONG AS PRACTICAL AND IN THICKNESS TO MATCH WOOD FLOORING. METAL FEATURE STRIPS: 1/8-BY-1/8-INCH (3-BY-3-MM) SOLID BRASS STRIP, DESIGNED FOR
- INLAYING INTO ROUTED REVEAL IN WOOD FLOORING SURFACE. WOOD TRIM: IN SAME SPECIES AND GRADE AS WOOD FLOORING, UNLESS OTHERWISE
- WOOD BASE: 3/4 INCH (16 MM) THICK BY 2 INCHES (100 MM) HIGH.
- BASE SHOE MOLDING: 1/2 BY 3/4 INCH (13 BY 19 MM). THRESHOLD: TAPERED ON EACH SIDE AND ROUTED AT BOTTOM OF ONE SIDE TO
- ACCOMMODATE WOOD FLOORING. REDUCER STRIP: AS NOTED IN DRAWINGS.
- PREPARATION: CONCRETE SLABS: GRIND HIGH SPOTS AND FILL LOW SPOTS TO PRODUCE A MAXIMUM 1/8-INCH (3-MM) DEVIATION IN ANY DIRECTION WHEN CHECKED WITH A 10-FOOT (3-M)
- STRAIGHT EDGE. USE TROWELABLE LEVELING AND PATCHING COMPOUNDS, ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS, TO FILL CRACKS, HOLES, AND
- DEPRESSIONS IN SUBSTRATES. REMOVE COATINGS, INCLUDING CURING COMPOUNDS, AND OTHER SUBSTANCES ON SUBSTRATES THAT ARE INCOMPATIBLE WITH INSTALLATION ADHESIVES AND THAT CONTAIN SOAP, WAX, OIL, OR SILICONE, USING MECHANICAL METHODS
- RECOMMENDED BY MANUFACTURER. DO NOT USE SOLVENTS. BROOM OR VACUUM CLEAN SUBSTRATES TO BE COVERED IMMEDIATELY BEFORE PRODUCT INSTALLATION. AFTER CLEANING. EXAMINE SUBSTRATES FOR MOISTURE. ALKALINE SALTS, CARBONATION, OR DUST. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
- D. EXECUTION INSTALLATION
- A. COMPLY WITH FLOORING MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, BUT NOT LESS THAN RECOMMENDATIONS IN NOFMA'S "INSTALLING HARDWOOD FLOORING." B. CONCRETE SUBSTRATES: VERIFY THAT SLABS ARE DRY ACCORDING TO TEST METHODS

RECOMMENDED BY FLOORING MANUFACTURER OR, IF NONE, BY TEST METHODS IN

- NOFMA'S "INSTALLING HARDWOOD FLOORING." WHERE WOOD FLOORING IS ADHESIVELY ATTACHED TO CONCRETE SLABS, VERIFY THAT SLABS ARE FREE OF CURING COMPOUNDS, SEALERS, HARDENERS, AND OTHER MATERIALS
- THAT MAY INTERFERE WITH ADHESIVE BOND. PROVIDE EXPANSION SPACE AT WALLS AND OTHER OBSTRUCTIONS AND TERMINATIONS
- OF FLOORING OF NOT LESS THAN DIRECTED BY MANUFACTURER. ENGINEERED-WOOD FLOORING: SET IN ADHESIVE PER MANUFACTURER'S INSTRUCTIONS. WOOD TRIM: NAIL BASEBOARD TO WALL AND NAIL SHOE MOLDING OR OTHER TRIM TO
- BASEBOARD; DO NOT NAIL TO FLOORING. PROVIDE EXPANSION SPACE AT WALLS AND OTHER OBSTRUCTIONS AND TERMINATIONS OF FLOORING
- E. CLEANING AND PROTECTION
- COVER WOOD FLOORING BEFORE AND AFTER FINISHING DURING REMAINDER OF CONSTRUCTION PERIOD. USE HEAVY KRAFT-PAPER OR OTHER SUITABLE COVERING. DO NOT USE PLASTIC SHEET OR FILM THAT COULD CAUSE CONDENSATION.
- CLEAN AND BUFF PER MANUFACTURE'S RECOMMENDATION IMMEDIATELY PRIOR TO BUILDING OCCUPANCY.

095300 ACOUSTICAL PANEL CEILINGS

- A. REFERENCES: AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
- C635 METAL SUSPENSION SYSTEMS FOR ACOUSTIC TILE AND LAY-IN PANEL CEILINGS. C636 -RECOMMENDED PRACTICE FOR THE INSTALLATION OF METAL CEILING SUSPENSION SYSTEMS FOR ACOUSTIC TILE AND LAY-IN PANELS.
- B. QUALITY ASSURANCE: CODES: CONFORM TO THE REQUIREMENTS OF THE AHJ, SEISMIC ZONE AS INDICATED ON THE DRAWINGS, CISCA, AND THE REQUIREMENTS OF THE JURISDICTIONAL CODE
- PRODUCTS: ACOUSTICAL PANELS: AS INDICATED ON THE DRAWINGS.
- SUSPENSION SYSTEM: EXPOSED T SYSTEM: ASTM C635, HEAVY DUTY CLASSIFICATION; DIRECT HUNG; EXPOSED "T" DESIGN; FACTORY BAKED ON FINISH TO MATCH ACOUSTICAL PANELS. FURNISH STABILIZER BARS, SPLICES, EDGE AND WALL MOLDINGS, AND OTHER ITEMS AS NECESSARY TO COMPLETE SUSPENDED CEILING GRID SYSTEM.
- D. INSTALLATION:
- INSTALL AFTER MAJOR ABOVE-CEILING WORK IS COMPLETE. INSTALL SYSTEM IN ACCORDANCE WITH ASTM C636, IBC 1621.2.5 AND CISCA, THE MANUFACTURER'S INSTRUCTIONS, AND AS SUPPLEMENTED IN THIS SECTION. INSTALL GRID TO PRODUCE FINISHED CEILING TRUE TO LINES AND LEVELS INDICATED,
- WITHIN THE SPECIFIED TOLERANCES. 4. INSTALL SUSPENSION SYSTEMS IN A MANNER TO SUPPORT ALL SUPERIMPOSED LOADS, WITH MAXIMUM PERMISSIBLE DEFLECTION OF 1/270 OF SPAN. AT LOCATIONS WHERE PARTITIONS EXTEND TO CEILING, ONLY, INSTALL SUPPLEMENTARY DIAGONAL BRACING TO STRUCTURE AT MAXIMUM 8'-0" O.C. ALONG LENGTH OF PARTITION, AND
- ABOVE EACH DOOR HINGE AND STRIKE JAMB HANG SYSTEM INDEPENDENT OF WALLS, COLUMNS, DUCTS, PIPES AND CONDUIT. WHERE DUCTS OR OTHER EQUIPMENT PREVENT THE REGULAR SPACING OF HANGERS, PROVIDE SECONDARY CARRYING MEMBERS FOR INDIRECT SUPPORT OF THE SUSPENSION SYSTEM, OR REINFORCE THE NEAREST ADJACENT HANGERS AND
- RELATED CARRYING CHANNELS AS REQUIRED TO SPAN THE REQUIRED DISTANCE. CENTER SYSTEM ON ROOM AXIS ACCORDING TO REFLECTED CEILING PLANS. ANCHORAGE:
- a. PROVIDE ALL ANCHORS REQUIRED FOR THE INSTALLATION OF THE CEILING SYSTEM UNLESS OTHERWISE NOTED. DO NOT FASTEN TO THE UPPER FLUTES OF METAL DECKING. DO NOT USE FASTENERS IN STEEL DECK WHICH PENETRATE MORE THAN 1 INCH.

VERIFY LOCATION OF ALL CONDUIT IN POURED CONCRETE CONSTRUCTION BEFORE

MAKING ATTACHMENTS. INSTALL EDGE MOLDING AT INTERSECTION OF CEILING AND VERTICAL SURFACES. USING LONGEST PRACTICAL LENGTHS. MITER CORNERS. PROVIDE EDGE MOLDINGS AT JUNCTIONS WITH OTHER INTERRUPTIONS. FABRICATE EDGE MOLDINGS TO FIT THE SURFACES ENCOUNTERED.

DIVISION 9 - FINISHES, CONT.

- FORM EXPANSION JOINTS AS DETAILED. MAINTAIN VISUAL CLOSURE. FIT ACOUSTIC LAY-IN PANELS IN PLACE, FREE FROM DAMAGED EDGES OR OTHER DEFECTS DETRIMENTAL TO APPEARANCE AND FUNCTION. FIT BORDER UNITS NEATLY AGAINST ABUTTING SURFACES. SCRIBE AND MILL RECESSED REGULAR EDGE INTO PARTIAL BORDER UNITS SUPPORTED AT EDGE BY WALL MOLDING.
- PARTS WHICH ARE DAMAGED OR DEFECTIVE. INSTALL HOLD-DOWN CLIPS TO RETAIN PANELS TIGHT TO GRID SYSTEM WITHIN 20 FT OF AN EXTERIOR DOOR.

ADJUST SAGS OR TWISTS WHICH DEVELOP IN THE CEILING SYSTEM AND REPLACE

- TOLERANCES: VARIATION FROM FLAT AND LEVEL SURFACE: 1/8 INCH IN 12 FT.
- VARIATION FROM PLUMB OF GRID MEMBERS CAUSED BY ECCENTRIC LOADS: TWO PERFORMANCE
- SEISMIC PERFORMANCE: ACOUSTICAL CEILING SHALL WITHSTAND THE EFFECTS OF EARTHQUAKE MOTIONS DETERMINED ACCORDING TO ASCE/SEI 7. SURFACE-BURNING CHARACTERISTICS: COMPLY WITH ASTM E 84; TESTING BY A
- QUALIFIED TESTING AGENCY. IDENTIFY PRODUCTS WITH APPROPRIATE MARKINGS OF APPLICABLE TESTING AGENCY. FLAME-SPREAD INDEX: COMPLY WITH ASTM E 1264 FOR CLASS A MATERIALS.
- SMOKE-DEVELOPED INDEX: [50] [450] OR LESS. FIRE-RESISTANCE RATINGS: COMPLY WITH ASTM E 119; TESTING BY A QUALIFIED TESTING AGENCY. IDENTIFY PRODUCTS WITH APPROPRIATE MARKINGS OF APPLICABLE TESTING AGENCY.
- SEISMIC STRUTS: MANUFACTURER'S STANDARD COMPRESSION STRUTS DESIGNED TO ACCOMMODATE LATERAL FORCES.
- SEISMIC CLIPS: MANUFACTURER'S STANDARD SEISMIC CLIPS DESIGNED AND SPACED TO SECURE ACOUSTICAL TILES IN-PLACE.

096500 RESILIENT FLOORING A. SUMMARY:

- RESILIENT SHEET FLOORING.
- RESILIENT BASE
- B. SUBMITTALS: SUBMIT PRODUCT LITERATURE FOR EACH PRODUCT PROPOSED, INCLUDING BASE,
- RESILIENT FLOORING, TRANSITION STRIPS, AND ADHESIVES. SUBMITTALS: SUBMIT SAMPLES OF EACH TYPE OF RESILIENT FLOORING, AND EACH TYPE OF RUBBER BASE FOR COLOR SELECTION BY THE INTERIOR DESIGNER.
- C. MATERIALS: RESILIENT SHEET FLOORING: AS INDICATED ON THE DRAWINGS
- RUBBER BASE: a. RESILIENT BASE: ASTM F1861, TYPE TPR THERMOPLASTIC RUBBER; 1/8 INCH THICK; ROLL STOCK: COVED AND STRAIGHT BASE AS SPECIFIED: 4 INCH HEIGHT, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- ACCESSORIES: a. SUBFLOOR FILLER: PORTLAND CEMENT BASED LATEX FILLER, MIXED WITH WATER TO PRODUCE A SELF LEVELING UNDERLAYMENT, OR CEMENTITIOUS PASTE. AS
- APPROPRIATE TO PROJECT REQUIREMENTS . ADHESIVES: TYPES RECOMMENDED BY RESILIENT FLOORING AND BASE
- MANUFACTURERS FOR SPECIFIC APPLICATION. TRANSITION STRIPS: VINYL; PRODUCTS AS INDICATED; COLOR AS SELECTED BY THE ARCHITECT FROM MANUFACTURER'S STANDARD.
- ALL OTHER MATERIALS NOT SPECIFICALLY DESCRIBED, BUT REQUIRED FOR A COMPLETE AND PROPER INSTALLATION OF RESILIENT FLOORING, SHALL BE ONLY AS RECOMMENDED BY THE MANUFACTURER OF THE MATERIAL TO WHICH IT IS APPLIED AND SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT.
- GENERAL RESILIENT FLOORING INSTALLATION REQUIREMENTS: INSTALL SUBFLOOR FILLER TO FILL LOW SPOTS, CRACKS, CONSTRUCTION JOINTS, HOLES AND OTHER DEFECTS, AND AS REQUIRED TO ADJUST LEVEL TO MEET ADJACENT FINISHES. FEATHER TO MAXIMUM SLOPE OF 1/8 INCH IN 3 FEET; FLOAT TO SMOOTH, FLAT, HARD SURFACE. PROHIBIT TRAFFIC OVER FILLER
- INSTALL ALL RESILIENT FLOORING WHERE SCHEDULED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. UNLESS INDICATED OTHERWISE, INSTALL RESILIENT FLOORING WITH JOINTS AND
- SEAMS AS INDICATED ON THE DRAWINGS. TERMINATE RESILIENT FLOORING AT CENTERLINE OF DOOR AT DOOR OPENINGS
- WHERE ADJACENT FLOOR FINISH IS DISSIMILAR. AND WHERE NO THRESHOLD IS INSTALL EDGE STRIPS AT UNPROTECTED OR EXPOSED EDGES WHERE FLOORING
- **TERMINATES** SCRIBE FLOORING TO WALLS, COLUMNS, CABINETS, FLOOR OUTLETS AND OTHER APPURTENANCES TO PRODUCE TIGHT JOINTS.
- CLEAN SUBSTRATE. SPREAD CEMENT EVENLY IN QUANTITY RECOMMENDED BY MANUFACTURER TO ENSURE ADHESION OVER ENTIRE AREA OF INSTALLATION. SPREAD ONLY ENOUGH ADHESIVE TO PERMIT INSTALLATION OF FLOORING BEFORE
- SET FLOORING IN PLACE, PRESS WITH HEAVY ROLLER TO ENSURE FULL ADHESION. SEAL JOINT BETWEEN FLOORING AND ADJACENT MATERIALS AT RESTROOMS. BATHROOMS, KITCHENS, AND OTHER MOIST AREAS WITH CLEAR SILICONE SEALANT. SPECIAL REQUIREMENTS FOR SHEET FLOORING:
- INSTALL SHEET FLOORING TO A MINIMUM 1/3 FULL MATERIAL WIDTH, WITH LENGTH OF SHEET PARALLEL TO LENGTH OF ROOM. WHERE CUTTING IS REQUIRED, DOUBLE CUT AND WELD AS SPECIFIED. TRIM IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. SEAMS IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS.
- UNLESS INDICATED OTHERWISE, LAY FLOORING WITH SEAMS PARALLEL TO BUILDING LINES TO PRODUCE MINIMUM NUMBER OF SEAMS. SPECIAL FLASHED COVED BASE REQUIREMENTS: a. PROVIDE COVE FILLET AT INTERSECTION OF FLOOR AND WALL TO EASE TRANSITION. MITER CUT, FIT, AND HEAT WELD ALL SEAMS, JOINTS, PENETRATIONS, AND TRANSITIONS.
- EXTEND FLOORING TO ELEVATION ABOVE FINISHED FLOOR LEVEL AS INDICATED. CUT TOP EXPOSED EDGE STRAIGHT AND LEVEL. J. CAP TOP EDGE WITH CAP TRIM. MITER ALL TRIM CORNER JOINTS. INSTALL TRIM IN MAXIMUM PRACTICAL LENGTHS WITH NO PIECE SHORTER THAN 18 INCHES FOR
- CONTINUOUS RUNS LONGER THAN 18 INCHES. RUBBER BASE INSTALLATION: ADHESIVELY INSTALL RESILIENT BASE TIGHTLY TO WALL AND FLOOR SURFACES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- FIT JOINTS TIGHT, VERTICAL, AND IN ACCURATE ALIGNMENT. INSTALL BASE IN MAXIMUM LENGTHS, WITH MINIMUM NUMBER OF JOINTS IN EACH RUN. NO SECTION MAY BE SHORTER THAN 48 INCHES, EXCEPT AS REQUIRED BY WALL CONDITIONS. INSTALL BASE TO WALLS, COLUMNS, AND CASEWORK TOE KICKS IN ALL AREAS WHERE
- RESILIENT BASE IS SCHEDULED. MITER OR COPE INSIDE CORNERS FOR ACCURATE FIT. SCRIBE AND FIT TO DOOR FRAMES AND OTHER OBSTRUCTIONS.
- OUTSIDE CORNERS: a. SCORE BACK OF BASE MATERIAL WITH GROOVING TOOL AND ACCURATELY ALIGN TO
- b. FIRMLY ADHERE TO WALL AT BOTH SIDES OF CORNER, WITH NO VISIBLE GAPS AT TOP OF STRETCH TOE OF COVED BASE FOR SMOOTH TRANSITION AROUND CORNER, WITH TOE IN UNIFORM CONTACT WITH THE FINISH FLOORING.

6. REMOVE EXCESS ADHESIVE FROM SURFACES WITHOUT DAMAGE.

- G. CLEANING REMOVE EXCESS ADHESIVE FROM FLOOR, BASE, AND WALL SURFACES WITHOUT 2. CLEAN BASE AND FLOOR IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- A. QUALITY ASSURANCE: CARPET INSTALLER SHALL HAVE MINIMUM OF 3 YEARS EXPERIENCE IN CARPET INSTALLATIONS OF SIMILAR SIZE AND SCOPE.
- WARRANTY: FURNISH MANUFACTURER'S STANDARD 5-YEAR WARRANTY AGAINST WEAR AND DETERIORATION. MATERIALS:
- CARPET: AS SCHEDULED ON THE DRAWINGS.
- PAD: AS SCHEDULED ON THE DRAWINGS. WALK-OFF MAT: AS SCHEDULED ON THE DRAWINGS.
- ACCESSORIES: a. CARPET GRIPPERS: ROBERTS ARCHITECTURAL "22-333", OR APPROVED. b. PAD TAPE: NON-PAPER TAPE RECOMMENDED BY PAD MANUFACTURER. EDGE STRIPS: REDUCER STRIPS; SIZE AND CONFIGURATION AS APPROPRIATE FOR CONDITIONS; COLOR AS SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD
- d. WALK-OFF MAT SCREED: SCHLUTER; ALUMINUM; PROFILE AS INDICATED ON THE DRAWINGS, AND TO SUIT JOB CONDITIONS.

DIVISION 9 - FINISHES, CONT.

- e. ADHESIVES: TYPE AS RECOMMENDED BY CARPET, MAT OR SCREED MANUFACTURER FOR INTENDED USE. USE WATERPROOF ADHESIVE AT WALK-OFF MAT.
- LATEX UNDERLAYMENT: WHITE PREMIX LATEX FILLER. q. BACKING: AS INDICATED ON THE DRAWINGS.
- D PREPARATION CLEAN FLOORS OF DUST, DIRT, SOLVENTS, OIL, GREASE, PAINT, PLASTER, AND OTHER SUBSTANCES WHICH WOULD BE DETRIMENTAL TO THE PROPER PERFORMANCE OF
 - ADHESIVE AND CARPET. FILL LOW SPOTS AND CRACKS OVER 1/8 INCH IN WIDTH WITH LATEX UNDERLAYMENT.
- E. INSTALLATION: INSTALL CARPETS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- VERIFY MATCHING OF CARPET PRIOR TO CUTTING AND ENSURE THAT THERE IS NO VISIBLE VARIATION BETWEEN DYE LOTS. CUT CARPET, WHERE REQUIRED IN A MANNER TO ALLOW PROPER SEAM AND PATTERN
- MATCH. ENSURE CUTS ARE STRAIGHT AND TRUE AND UNFRAYED. MAKE SEAMS STRAIGHT AND UNIFORM.
- SEAMING SHALL BE BY HAND SEWING OR WITH HOT MELT TAPE METHODS. DO NOT CHANGE RUN OF PILE IN ANY ONE ROOM. ENSURE MONOLITHIC COLOR, PATTERN AND TEXTURE MATCH WITHIN EACH DISTINCT
- INSTALL EDGING STRIPS WHERE CARPET TERMINATES AT OTHER FLOOR COVERINGS. USE FULL LENGTH PIECES ONLY, BUTT TIGHT TO VERTICAL SURFACES, WHERE SPLICING CANNOT BE AVOIDED, BUTT ENDS TIGHT, FLUSH, AND ACCURATELY ALIGNED
- F. REMNANTS: UPON COMPLETION OF THE INSTALLATION, CONTACT THE ARCHITECT FOR SELECTION OF CARPET REMAINING AFTER TRIMMING. CAREFULLY WRAP AND MARK SEPARATELY THE SELECTED REMNANTS. REMOVE AND DISPOSE OF REMAINDER AT A LEGAL OFF-SITE LOCATION.
- G.CI FANUP: THE PREMISES SHALL BE KEPT FREE FROM UNNECESSARY ACCUMULATION OF TOOLS. EQUIPMENT AND SURPLUS MATERIALS DURING THE PROGRESS OF THE WORK.
- REMOVE THREADS WITH SHARP SCISSORS. REMOVE SPOTS WITH MANUFACTURER'S RECOMMENDED SPOT REMOVER. THOROUGHLY POWER VACUUM ENTIRE SURFACE USING EQUIPMENT WITH MOTOR
- 097733 REINFORCED PLASTIC PANEL WALL COVERINGS A. SUMMARY: FIBERGLASS REINFORCED POLYESTER PANEL (FRP) WALL COVERING.

DRIVEN BRUSHES.

- B. SUBMITTALS: PRODUCT DATA, INCLUDING ADHESIVES AND SEALANTS. C.PANEL SYSTEM COMPONENTS: PANEL MATERIAL:
- MARLITE (AS NOTED IN DRAWINGS). PANEL TYPE: AS SCHEDULED IN THE FINISH LEGEND.
- THICKNESS: 3/32 INCH. d. SIZE: 48 INCHES X LENGTH REQUIRED FOR CONDITIONS INDICATED. e. FIRE RATING: MAXIMUM 25/450 FLAME SPREAD / SMOKE DEVELOPED IN ACCORDANCE
- WITH ASTM E84. MOLDINGS: MANUFACTURER'S STANDARD PVC CAP, CORNER, AND DIVISION MOLDINGS; COLOR TO MATCH PANELS. OMIT BOTTOM TRIM WHERE PANEL ABUTS
- FLASH COVED BASE. PANEL AND MOLDING INSTALLATION ADHESIVE: AS RECOMMENDED BY THE FRP PANEL MANUFACTURER.

SEALANT: FLEXIBLE WATERPROOF SILICONE SEALANT FOR BEDDING PANEL EDGES;

- WHITE COLOR. D.INSTALLATION CUTTING AND FITTING
- a. CUT PANELS ACCURATELY TO SIZE WITH PROPER ALLOWANCE FOR EXPANSION AND b. SAND OR FILE ALL EDGES SMOOTH WITHOUT CHIPPING.
- CUT OPENINGS FOR PENETRATIONS IN ACCURATE LOCATION WITH APPROXIMATE 1/8-INCH CLEARANCE AROUND PENETRATIONS. ESTABLISH CENTERLINE OF EACH DISTINCT FLAT AREA TO BE COVERED. TRIM DIVISION MOLDINGS TO MATE WITH BASE MOLDINGS: INSTALL IN SOLID BED OF ADHESIVE. EITHER ON CENTERLINE, OR OFFSET 24 INCHES FROM CENTER, AS NECESSARY TO
- MAXIMIZE PANEL WIDTHS AT CORNERS. MOLDING SHALL BE INSTALLED STRAIGHT AND CUT TOP CAP AND DIVISION OR CORNER MOLDINGS TO SHAPE, WITH EDGES TRIMMED
- TO FIT TO ADJACENT MOLDINGS. APPLY SEALANT INTO INSTALLED MOLDINGS IN SEQUENCE WITH PANEL INSTALLATION. APPLY ADHESIVE TO BACKS OF PANELS IN ACCORDANCE WITH THE MANUFACTURER'S
- RECOMMENDATIONS. MAINTAIN LINES AND LEVELS OF PANEL EDGES AND MOLDINGS. INSTALL PANELS TIGHT TO FLASH-COVED BASE TRIM.
- ALLOW 1/8-INCH GAP BETWEEN TOP CAP, CORNER, OR DIVISION MOLDING POSTS, AND PANEL EDGE; ALL EDGES SHALL BE FIRMLY BEDDED TO THE MOLDINGS IN SEALANT. PROMPTLY REMOVE SEALANT SQUEEZE OUT WITH A DAMP CLOTH, AS WORK
- PROGRESSES; REMOVE ADHESIVE WITH APPROPRIATE SOLVENT. INSTALL SEALANT BEHIND FLANGES AND AT PENETRATIONS THROUGH PANELING, AND BETWEEN TOP CAP OF PANEL AND SUBSTRATE. 11. CLEANING: REMOVE EXCESS ADHESIVE FROM FACE OF LAMINATE USING SOLVENT

RECOMMENDED B MANUFACTURER. 098100 ACOUSTIC INSULATION

A.SUMMARY: ACOUSTIC INSULATION AND SEALANTS. MANUFACTURERS: JOHNS MANVILLE "SOUND CONTROL BATTS", CERTAINTEED

WHERE INDICATED FOR INSTALLATION IN STUD WALLS.

- "GREENGUARD CERTIFIED", OWNS CORNING "SOUND CONTROL BATTS." ACOUSTIC INSULATION: ASTM C665, TYPE I; UNFACED GLASS FIBER BATTS, BLANKETS, OR ROLLS; MINIMUM FIRE HAZARD CLASSIFICATION RATING OF 25/50 PER ASTM E84: MINIMUM 3-INCH THICK, UNLESS REQUIRED OTHERWISE TO MEET THE STC REQUIREMENTS INDICATED OR SPECIFIED; WIDTHS TO FRICTION-FIT BETWEEN STUDS,
- WITH GYPSUM BOARD; SIMILAR TO USG "ACOUSTICAL SEALANT." ACCESSORIES: FURNISH OTHER ACCESSORIES SUCH AS FASTENERS AND RETAINERS, NOT SPECIFICALLY DESCRIBED, BUT REQUIRED FOR A COMPLETE INSTALLATION.

ACOUSTICAL SEALANT: NON-HARDENING, NON-SKINNING, FOR USE IN CONJUNCTION

INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, AND AS INDICATED. TRIM INSULATION NEATLY TO FIT SPACES. .INSTALL WITHOUT GAPS OR VOIDS. D. SEAL PENETRATIONS THROUGH ACOUSTICAL ASSEMBLIES, EXCEPT FOR

099000 PAINTING AND COATING A. SUMMARY: SITE APPLIED PAINT COATINGS, EXCEPT AS OTHERWISE NOTED.

PENETRATIONS IN FIRE RATED CONSTRUCTION TO RECEIVE FIRESTOPPING.

- B. QUALITY ASSURANCE: 1. APPLICATOR: COMPANY SPECIALIZING IN COMMERCIAL PAINTING AND FINISHING WITH A MINIMUM OF THREE YEARS DOCUMENTED EXPERIENCE. VISUAL STANDARDS: EACH DISTINCT AREA OF THE FINISHED WORK SHALL BE FREE OF VARIATIONS IN COLOR AND SHEEN, ORANGE PEEL, RUNS, SAGS, BLISTERING,
- CHECKING, CRACKING, SCRATCHES, DUST, DIRT, BUGS, AND OTHER CONTAMINANTS. C.SITE CONDITIONS: WEATHER CONDITIONS: DO NO EXTERIOR WORK ON UNPROTECTED SURFACES WHEN RAINING, OR OTHER
- MOISTURE IS PRESENT OR EXPECTED, OR BEFORE APPLIED PAINTS CAN DRY OR ATTAIN b. ALLOW WETTED SURFACES TO DRY AND ATTAIN TEMPERATURES AND CONDITION SPECIFIED HEREINAFTER BEFORE PROCEEDING WITH PREVIOUSLY STARTED WORK.
- a. DO NO PAINTING WORK WHEN SURFACE AND AIR TEMPERATURES ARE BELOW 40 DEGREES F OR BELOW THOSE TEMPERATURES RECOMMENDED BY THE MANUFACTURER FOR THE MATERIAL TYPE USED.
- MINIMUM TEMPERATURES FOR LATEX FINISHES: 45 DEGREES F FOR INTERIOR WORK AND 50 DEGREES F. FOR EXTERIOR WORK, UNLESS APPROVED OTHERWISE. 3. LIGHTING: MAINTAIN A LIGHTING LEVEL OF MINIMUM 50 FOOT-CANDLES ON THE SURFACES TO BE PAINTED OR FINISHED.

4. VENTILATION: PROVIDE ADEQUATE CONTINUOUS VENTILATION.

FURNISH OVERAGE OF PAINT MATERIALS EQUAL TO 10 PERCENT MINIMUM OF QUANTITY OF EACH PAINT AND TRANSPARENT FINISH SYSTEM COMPONENT, COLOR AND SHEEN REQUIRED FOR THE WORK, BUT FURNISH NOT MORE THAN FIVE FULL ONE GALLON CANS, NOR LESS THAN TWO FULL ONE QUART CANS, OF EACH TYPE. OVERRUNS IN EXCESS OF FIVE GALLONS MAY BE FURNISHED TO T-MOBILE AT THE CONTRACTOR'S OPTION. OVERAGE SHALL BE TAKEN FROM THE BATCH MIX FURNISHED FOR THE WORK. OVERAGE SHALL BE FURNISHED IN COMPLETELY FILLED, PROPERLY LABELED, SEALED CANS.

BELLEVUE. WA 98006

www.t-mobile.com

Firm's License #

State License #

DESCRIPTION BUILDING DEPARTMENT

0

CORPORATE - RELO

S 08

DATF: 12/19/2017 SCALE: DRAWN BY: TMO364 PROJECT No .:

DIVISION 9 - FINISHES, CONT.

E. MATERIALS:

- GENERAL REQUIREMENTS: PAINTS NOT SPECIFICALLY LISTED SHALL BE "FIRST QUALITY" COMMERCIAL PRODUCTS FROM ONE OF THE FOLLOWING:
- a. BENJAMIN MOORE PAINT COMPANY. b. ICI PAINTS NORTH AMERICA
- 2. ACRYLIC WALL SIZE: ONE OF THE FOLLOWING: a. ICI DEVOE "WONDERPRIME" DR51701 VAPOR BARRIER PRIMER/SEALER.
- b. ICI DULUX "ULTRA-HIDE" 1060 VAPOR BARRIER PRIMER/SEALER. BENJAMIN MOORE PAINT COMPANY "MOORE'S WALL-GRIP 203."
- SURFACE PREPARATION:
- PREPARE SURFACES BY REMOVING ALL DIRT. DUST. GREASE. OIL. MOISTURE. AND OTHER CONTAMINANTS WHICH WILL IMPAIR THE PROPER ADHESION OF THE FINISH. FERROUS METAL SHOP PRIMED UNDER OTHER SECTIONS: CLEAN PREVIOUSLY PRIMED SURFACES WITH NON-PETROLEUM BASED SOLVENT TO REMOVE OIL AND GREASE. REMOVE LOOSE RUST, BLISTERED AND PEELING PAINT TO BARE METAL BY SCRAPING SANDING, AND WIRE BRUSHING IN ACCORDANCE WITH SSPC-SP2 AND SSPC-SP3. IMMEDIATELY APPLY TOUCH UP PRIME DAMAGED OR ABRADED SURFACES. LIGHTLY
- SAND ALL SHOP PRIME PAINTED SURFACES TO RECEIVE PAINT FINISH. GALVANIZED FERROUS METAL: CLEAN WITH NON-PETROLEUM BASED IN ACCORDANCE WITH SSPC-SP1; ABRADE SURFACE WITH 3M "SCOTCHBRITE HEAVY DUTY" (BROWN) PAD, AS NECESSARY TO ACHIEVE SUFFICIENT PROFILE FOR PAINT ADHESION.
- UNPRIMED FERROUS METAL: a. SOLVENT CLEAN IN ACCORDANCE WITH SSPC SP-1.
- COMMERCIAL BLAST PER SSPC SP6. WOOD - OPAQUE PAINT FINISH:
- a. SPOT COAT KNOTS, PITCH STREAKS, AND SAPPY SECTIONS WITH SEALER. b. FILL ALL NAIL HOLES AND CRACKS. SAND FILLER SMOOTH AND LEVEL WITH WOOD
- SURFACE. 6. WOOD - TRANSPARENT FINISH: FILL ALL EXPOSED FINISH NAIL HOLES AND CRACKS WITH MATCHING COLOR FILLER AFTER PRIME COAT IS APPLIED. SAND FILLER SMOOTH
- AND LEVEL WITH ADJACENT SURFACES. CONCRETE AND CONCRETE MASONRY UNITS: REMOVE ALL CONTAMINANTS BY
- WASHING AND WIRE BRUSHING, SANDBLAST IF NECESSARY. GYPSUM PLASTER AND WALL BOARD: REMOVE ALL LIGHT DUST AND DIRT.
- 9. EXISTING FINISHED SURFACES TO BE REPAINTED: a. REMOVE LOOSE, BLISTERED, SCALED, OR CRAZED FINISHES TO BARE SUBSTRATE
- FEATHER NEW WORK INTO EXISTING WORK. PREPARE SURFACES TO THE NEAREST BREAK LINE IF NECESSARY TO BLEND NEW FINISHES WITH OLD FINISHES. WASH AND RINSE SURFACES WITH TRISODIUM PHOSPHATE AND WATER OR OTHER SOLUTION REQUIRED TO REMOVE REMAINING FILM, WAX, OIL, GREASE, SMOKE OR
- FOREIGN MATTER WHICH WILL IMPAIR BOND, OR CAUSE BLEED THROUGH, OF NEWLY APPLIED FINISHES. 2. LIGHTLY SAND, OR APPLY A LIQUID DEGLOSSER ON EXISTING SEMI-GLOSS AND
- HIGH-GLOSS FINISHES BEFORE REFINISHING. SPECIAL APPLICATION REQUIREMENTS:
- UNLESS SPECIFIED OR INDICATED OTHERWISE, FOLLOW PAINT MANUFACTURER'S LABEL DIRECTIONS FOR GENERAL APPLICATION PROCEDURES AND COVERAGE RATES. DO NOT APPLY FINISHES ON SURFACES THAT ARE NOT SUFFICIENTLY DRY. MAKE SURE EACH COAT OF FINISH IS DRY AND HARD BEFORE A FOLLOWING COAT IS APPLIED UNLESS THE MANUFACTURER'S DIRECTIONS STATE OTHERWISE.
- TINT FILLER TO MATCH STAIN WHEN CLEAR FINISHES ARE SPECIFIED; WORK FILLER WELL INTO GRAIN AND, BEFORE IT HAS SET, WORKING PERPENDICULARLY TO THE GRAIN. WIPE THE EXCESS FROM THE SURFACE.
- OPAQUE FINISHES: a. APPLY NUMBER OF COATS SCHEDULED FOR EACH APPLICATION, EXCEPT THAT ADDITIONAL FINISH COATS SHALL BE APPLIED AS NECESSARY FOR COMPLETE HIDING OF
- SUBSTRATE COLORS. APPLY PRIMER COATS UN-TINTED, WHERE MORE THAN ONE COAT OF PAINT IS REQUIRED. TINT EACH SUCCEEDING COAT UP TO THE FINAL COAT SIMILAR IN TINT. BUT SLIGHTLY
- LIGHTER IN VALUE (SHADE). SAND LIGHTLY BETWEEN COATS IF NECESSARY TO ACHIEVE REQUIRED FINISH; SAND
- BETWEEN ALL COATS APPLIED TO WOOD SUBSTRATES. ROLLERS FOR APPLICATION AND BACKROLLING OF LATEX PAINTS SHALL HAVE A NAP
- OF 3/8 INCH OR LESS. WHERE ROLLER TEXTURE IS SCHEDULED FOR APPLICATION TO GYPSUM BOARD
- SURFACES, FINISH COATS MAY BE ROLLER APPLIED, OR SPRAY APPLIED AND BACKROLLED AT CONTRACTOR'S OPTION.
- FACTORY PRIMED SURFACES: APPLY SCHEDULED FINISH SYSTEM, LESS PRIMER COAT, EXCEPT AS NECESSARY TO FOR PATCHING DAMAGE TO FACTORY PRIME COATING. EXCEPT WHERE SCHEDULED OR INDICATED OTHERWISE, THE INTENT IS TO PAINT ALL
- EXISTING AREAS WHICH HAVE NOT BEEN REMODELED OR DO NOT HAVE PATCHED SURFACES ARE NOT TO BE REPAINTED. WHERE EXISTING SURFACES HAVE BEEN REMODELED OR PATCHED THE ENTIRE ROOM IS TO BE REPAINTED, INCLUDING THE ASSOCIATED ACCESS PANELS, ELECTRICAL PANELS, HOLLOW METAL DOORS AND FRAMES (BOTH SIDES), AND SIMILAR ELEMENTS WITHIN THE ROOM.
- INTERIOR SYSTEMS: GYPSUM BOARD - LATEX SYSTEM:
- a. SYSTEM: THREE COATS FIRST COAT LATEX PRIMER SEALER (UN-TINTED), SECOND AND THIRD COAT LATEX PAINT.
- SHEEN: ROLLER TEXTURE, SATIN SHEEN, EXCEPT PROVIDE FLAT SHEEN AT LIGHT COVES. CEILINGS, SKYLIGHT AREAS, CLERESTORY AREAS, INTERIOR FASCIAS. AND OTHER LIGHT SENSITIVE SURFACES. VERIFY LOCATIONS OF EACH SHEEN WITH ARCHITECT BEFORE PROCEEDING WITH WORK.
- APPLICATION: USE ON ALL EXPOSED GYPSUM BOARD SURFACES, INCLUDING THE EXPOSED PORTIONS OF WALL SURFACES BETWEEN ADJACENT WALL-MOUNTED FIXTURES.
- PROVIDE PRIME COAT ONLY BEHIND PERMANENTLY MOUNTED MECHANICALLY WALL MOUNTED FIXTURES. iii. DO NOT APPLY PRIMER OR PAINT COATINGS TO SURFACES TO RECEIVE ADHESIVELY
- MOUNTED MIRRORS OR TILE. 2. GYPSUM BOARD - SURFACES TO RECEIVE WALL COVERING: APPLY ONE COAT OF
- ACRYLIC WALL SIZE. COLOR SCHEDULE: PROVIDE PAINT COLORS TO MATCH THOSE INDICATED ON THE DRAWINGS. WHERE A PAINT COLOR IS LISTED FROM A SPECIFIC MANUFACTURER, PAINT PRODUCTS FROM OTHER APPROVED MANUFACTURERS MAY BE USED, PROVIDED THE COLOR EXACTLY MATCHES THE SPECIFIED COLOR, AND THE PAINT SYSTEM MEETS THE SPECIFIED REQUIREMENTS. WHERE NO PAINT COLOR IS INDICATED, PROVIDE COLOR AND
- INSTALL SEALANT BEHIND FLANGES AND AT PENETRATIONS THROUGH PANELING, AND BETWEEN TOP CAP OF PANEL AND SUBSTRATE
- CLEANING: REMOVE EXCESS ADHESIVE FROM FACE OF LAMINATE USING SOLVENT RECOMMENDED BY MANUFACTURER.

DIVISION 10 - SPECIALTIES

101402 REST ROOM SIGNAGE

A. SUMMARY: CODE-REQUIRED INTERIOR SIGNAGE.

SHEEN AS SELECTED BY THE ARCHITECT.

- INSTALLATION OF SIGNAGE. B. SYSTEM DESCRIPTION:
- ACCESSIBILITY SIGNAGE: PROVIDE ACRYLIC PLASTIC REVERSE SILK SCREENED SIGNS WITH INTERNATIONAL SYMBOL OF ACCESSIBILITY, RAISED LETTERS, AND BRAILLE, AT ACCESSIBLE TOILET FACILITIES; ONE FOR EACH SEX.
- QUALITY ASSURANCE: REGULATORY REQUIREMENTS: SIGNAGE SHALL CONFORM TO THE REQUIREMENTS OF THE JURISDICTIONAL CODE AUTHORITIES.
- PLASTIC SHEET: 1/8 INCH THICK ACRYLIC SHEET; LOW GLOSS FINISH. DOUBLE STICK TAPE: 3M "SCOTCH BRAND #665" DOUBLE-STICK, DOUBLE-COATED

SECTION 10810 - TOILET ACCESSORIES

- A. QUALITY ASSURANCE CONFORM TO APPLICABLE ACCESSIBILITY CODE FOR LOCATING ACCESSORIES.
- STAINLESS STEEL: SHEET IN ACCORDANCE WITH ASTM A 167, TYPE 304.
- STAINLESS STEEL: TUBING IN ACCORDANCE WITH ASTM A 269.
- GALVANIZED STEEL: IN ACCORDANCE WITH ASTM A 366. MIRROR GLASS: IN ACCORDANCE WITH ASTM C 1036, TYPE L, CLASS 1, QUALITY Q1.

DIVISION 10 - SPECIALTIES, CONT.

- C. ACCESSORIES FASTENERS: STAINLESS STEEL WHERE EXPOSED, HOT DIP GALVANIZED WHERE CONCEALED: TYPE BEST SUITED TO SUBSTRATE CONDITIONS.
- FRAMED MIRROR: BOBRICK B-1652436 WASTE RECEPTACLE: PROVIDED BY T-MOBILE, INSTALLED BY G.C..
- SEAT COVER DISPENSER: HEALTH GUARDS ITEM# 420660, MODEL #HG12-FURNISHED BY T-MOBILES VENDOR, INSTALLED BY G.C. GRAB BAR: BOBRICK B-6806
- AUTOMATIC HAND DRYER: EXCEL XL-BW WITH ADA RECSEED MOUNTING KIT 40502. FIXED NOZZLE, WHITE FINISH. FURNISHED BY T-MOBILE'S VENDOR, INSTALLED BY G.C. 7. TOILET PAPER DISPENSER: BOBRICK B-76857
- D. FABRICATION USE STAINLESS STEEL FOR EXPOSED SURFACES; GALVANIZED STEEL MAY BE USED IN CONCEALED LOCATIONS. FORM EXPOSED SURFACES FROM SINGLE SHEET OF STOCK, FREE FROM JOINTS, AND FLAT WITHOUT DISTORTION. WELD JOINTS OF FABRICATED COMPONENTS AND GRIND SMOOTH. FABRICATE GRAB BARS OF TUBING, FREE OF VISIBLE JOINTS, RETURN TO WALL WITH END ATTACHMENT FLANGES. KNURL GRIP SURFACES, FABRICATE SOAP DISPENSERS TO OPERATE WITH LESS THAN 5 POUND FORCE. PROVIDE HANGERS, ADAPTERS, ANCHOR PLATES AND ACCESSORIES REQUIRED FOR INSTALLATION. KEY LOCKS ALIKE; FURNISH SIX (6) KEYS.
- FRAMED MIRRORS: ONE COAT OF ORGANIC MIRROR BACKING COMPOUND TO THE BACK SURFACE OF THE GLASS.
- BACKING: GALVANIZED SHEET STEEL. ISOLATE GLASS FROM FRAME AND BACKING WITH RESILIENT, WATERPROOF PADDING FINISHES:
- a. STAINLESS STEEL: NO. 4 SATIN. GALVANIZING: ASTM A 123 TO 1.25 OUNCES PER SQUARE FOOT.
- CHROME PLATING: ASTM B 456, TYPE SC 2, POLISHED FINISH 5. SHOP ASSEMBLE UNITS AND PACKAGE COMPLETE WITH ANCHORS AND FITTINGS.
- E. INSTALLATION SET PLUMB AND LEVEL, SQUARE AND RIGIDLY ANCHORED. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

104416 FIRE EXTINGUISHERS AND CABINETS

- A. SUBMITTALS: PRODUCT LITERATURE. INCLUDING EXTINGUISHER DIMENSIONS. B. EXTINGUISHERS: MULTI-PURPOSE DRY CHEMICAL TYPE: HEAVY DUTY DOT STEEL TANK: UL RATING 2A-10B;C. 5 LB CAPACITY, FM APPROVED; RED ENAMEL FINISH; PRESSURE GAGE; METAL VALVES AND SIPHON TUBES.
- FIRE EXTINGUISHER CABINETS: TYPE (ONE OF THE FOLLOWING): POTTER-ROEMER, INC. #7023-DV-VB-RR OR #7023-DV-VB-RR-FRC AT RATED CONSTRUCTION, LARSEN'S MANUFACTURING COMPANY #2409-R3 OR #FS-2409-R3 AT RATED CONSTRUCTION, J.L INDUSTRIES
- #1817V17 OR #1817V17 FIRE-FX AT RATED CONSTRUCTION. STYLE: SEMI-RECESSED (APPROXIMATELY 2-1/2" PROJECTION; ROLLED EDGE); STEEL FRAME AND DOOR WITH CONTEMPORARY 2 INCH WIDE DOUBLE STRENGTH GLASS
- FINISH: MANUFACTURER'S STANDARD BAKED WHITE ENAMEL INTERIOR; FURNISH TO SECTION 099000 FOR FIELD PAINTING.
- 4. LETTERING: BLACK LETTERING IN VERTICAL FORMAT. D. FIRE EXTINGUISHER BRACKETS: MANUFACTURER'S STANDARD J-TYPE. PROVIDE AT FIRE
- EXTINGUISHER LOCATIONS WHERE NO CABINET IS INDICATED. INSTALLATION: INSTALL BRACKETS 48 INCHES FROM FINISHED FLOOR TO TOP OF BRACKET.
- SECURE RIGIDLY IN PLACE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. INSTALL CABINETS PLUMB AND LEVEL IN WALL OPENINGS IN LOCATIONS AS INDICATED UNLESS OTHERWISE INDICATED, INSTALL 30 INCHES FROM FINISHED FLOOR TO INSIDE
- **BOTTOM OF CABINET** WHEN RECESSED CABINETS ARE INSTALLED IN FIRE RATED WALLS, MAINTAIN FIRE
- RESISTANCE RATING CONTINUOUSLY BEHIND THE CABINET. 5. INSTALL IN LOCATIONS AS INDICATED ON THE DRAWINGS.

105623 WIRE STORAGE SHELVING A. GENERAL: SHELVING SHALL CARRY THE APPROVAL OF THE NATIONAL SANITATION

- FOUNDATION (NSF)
- B. PRODUCT: APPROVED PRODUCTS BELOW (OR EQUAL): ALERA WIRE SHELVING 48" X 24" X 72"
- METRO SUPER ERECTA® (SES) 48" X 24" X 72" . MATERIAL: SHELVES SHALL BE ÉRIGHT BASIC CARBON STEEL WIRE. POSTS SHALL BE COLD ROLLED CARBON STEEL TUBING, ELECTRIC WELDED. PLASTIC CLIPS MATERIAL SHALL BE
- D. FINISH: BRIGHT PLATED SHELVES: CONSTRUCTION SHALL BE OF OPEN WIRE DESIGN OFFERING GREATER LIGHT PENETRATION AND VISIBILITY, LIGHTER WEIGHT, AIR CIRCULATION AND MINIMAL DUST AND
- FABRICATION: FACE RIBS SHALL RUN FRONT TO BACK EQUALLY SPACED ON 20.6MM CENTERS AND TO BE OF 3.4MM WIRE. EACH SIDE (FOUR) OF SHELF SHALL CONSIST OF A CORRUGATED, REINFORCING TRUSS OF 4.5MM WIRE, AT THE FRONT AND BACK OF THE SHELF, THIS CORRUGATED REINFORCING SHALL BE WELDED TO 6.2MM RIB WIRE RUNNING PERPENDICULAR AND ABOVE THE FACE RIBS. A 6.2MM RIB WIRE SHALL BE WELDED TO THE BOTTOM OF THE TRUSS. AT THE ENDS OF THE SHELF, THE CORRUGATED REINFORCING TRUSS SHALL BE WELDED TO PARALLEL 6.2MM WIRE RIBS. DEPENDING UPON THE WIDTH AND LENGTH OF THE SHELF. IT SHALL HAVE THREE OR FIVE LONGITUDINAL RIBS (6.2 MM) WELDED TO THE FACE RIBS. IN ADDITION, CERTAIN LONGER LENGTHS SHALL HAVE ONE OF TWO CORRUGATED REINFORCING TRUSSES (6.2MM) WELDED TO THE UNDERSIDE. AT EACH CORNER OF THE SHELF THERE SHALL BE A TAPERED, CONICAL FITTING MADE OF 2.6MM COLD ROLLED STEEL TO THE PARALLEL RIB SUPPORTS. THE FITTING SHALL BE DESIGNED TO ACCOMMODATE THE VERTICAL SUPPORTS. THE CORRUGATED TRUSS SHALL BE IN THE
- SHAPE OF THE LETTER "W." 6. POSTS: SHALL OF 1" O.D. ROUND STEEL TUBING, 1.5 MM THICK. THEY SHALL HAVE ROLLED GROOVES SPACED AT 1" O.C. ALONG THEIR LENGTH. THE TOPOF THE POST SHALL HAVE A FINISHED PLASTIC CAP. A DIE CAST THREADED INSERT WITH AN ADJUSTABLE LEVELING
- FOOT SHALL BE SHIPPED LOOSE FOR LATER INSERTION INTO THE POST BOTTOM. METHOD OF ASSEMBLY: SHALL BE OF THE FRUSTAL-CONICAL DESIGN INCORPORATING A TWO PART TAPERED PLASTIC CLIP. ENGAGEMENT AND LOCKING SHALL BE ACCOMPLISHED WITH A PROTRUDING BEAD ON THE INNER CIRCUMFERENCE OF THE PLASTIC CLIP WHICH WILL MATCH THE GROOVE IN THE POST. TWO PLASTIC CLIPS SHALL BE ATTACHED TO EACH CORNER POST FOR EACH SHELF. BOTH THE CLIPS AND THE CORNER FITTING OF THE SHELVES SHALL HAVE THE IDENTICAL TAPER TO CREATE A WEDGE EFFECT, THEREBY LOCKING THE SHELF SECURELY IN A RIGID POSITION. NO SCREWS OR OTHER FITTINGS SHALL BE REQUIRED TO EFFECT THIS ASSEMBLY. SHELVES SHALL BE VERTICALLY
- ADJUSTABLE IN 1" INCREMENTS. LOAD CAPACITY: 800 LBS. PER SHELF EVENLY DISTRIBUTED. MAXIMUM LOAD PER ASSEMBLED UNIT NOT TO EXCEED 2,000 LBS.
- CASTORS: SHALL BE ZINC PLATE ROUND STEM CASTER WITH POLYURETHANE TREAD AND WHEEL DIMENSIONS OF 5" X 1 1/4". WIRE SHELF CARTS ARE STANDARD WITH (2) SWIVEL AND (2) SWIVEL LOCKING CASTORS
- SEISMIC ANCHORAGE: WHERE REQUIRED BY CODE AND/OR JURISDICTION HAVING GOVERNANCE, PROVIDE CROSS-BRACING AND ANCHOR PLATES FOR SUPER ERECTA® (SES) PER MANUFACTURER'S SPECIFICATIONS.

DIVISION 11 - NOT USED

DIVISION 12 - FURNISHINGS

0124813 -ENTRANCE FLOOR MATS AND FRAMES

- A. RELATED DOCUMENTS DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 01 SPECIFICATION SECTIONS, APPLY TO
- B. PRODUCTS REGULATORY REQUIREMENTS: COMPLY WITH APPLICABLE PROVISIONS IN [THE U.S. ARCHITECTURAL & TRANSPORTATION BARRIERS COMPLIANCE BOARD'S ADA-ABA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES] AND [ICC A117.1]

DIVISION 12 - FURNISHINGS, CONT.

- RESILIENT ENTRANCE MAT: RETAIN "MANUFACTURERS" PARAGRAPH AND LIST OF MANUFACTURERS BELOW TO REQUIRE PRODUCTS FROM MANUFACTURERS LISTED OR A COMPARABLE PRODUCT FROM OTHER MANUFACTURERS.
- MANUFACTURERS: a. LEGACY NOP BY MATS INC., PO BOX 839, 37 SHUMAN AVENUE, STOUGHTON, MA, 02072; TELEPHONE 800-MATS-INC (800-628-7462) OR 781-344-1536; FAX 781-344-1537;
- WWW.MATSINC.COM b. FOR VESTIBULES OR WHERE LOWER PROFILE IS REQUIRED: SUPREME NOP BY MATS INC RECESSED FRAMES: AS SHOWN IN DRAWINGS.
- COLOR: MILL FINISH C. EXECUTION EXAMINE SUBSTRATES AND CONDITIONS WHERE FLOOR MATS WILL BE INSTALLED. DO

NOT PROCEED WITH INSTALLATION UNTIL UNSATISFACTORY CONDITIONS ARE

CORRECTED. SUB FLOOR SHALL BE CLEAN AND DRY, AND WITHIN ACCEPTABLE

- TOLERANCES. 2. INSTALLATION a. INSTALL RECESSED MAT FRAMES TO COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. SET MAT TOPS AT HEIGHT RECOMMENDED BY MANUFACTURER FOR MOST EFFECTIVE CLEANING ACTION; COORDINATE TOPS OF MAT SURFACES WITH
- BOTTOMS OF DOORS THAT SWING ACROSS MATS TO PROVIDE CLEARANCE BETWEEN DOOR AND MAT. INSTALL NECESSARY SHIMS, SPACERS, AND ANCHORAGES FOR PROPER LOCATION, AND SECURE ATTACHMENT OF FRAMES.
- INSTALL GROUT AND FILL AROUND FRAMES AND, IF REQUIRED TO SET MAT TOPS AT PROPER ELEVATIONS, IN RECESSES UNDER MATS. FINISH GROUT AND FILL SMOOTH
- D. PROTECTION AFTER COMPLETING FRAME INSTALLATION AND CONCRETE WORK, PROVIDE TEMPORARY FILLER OF PLYWOOD OR FIBERBOARD IN RECESSES AND COVER FRAMES WITH PLYWOOD PROTECTIVE FLOORING. MAINTAIN PROTECTION UNTIL CONSTRUCTION TRAFFIC HAS ENDED AND PROJECT IS NEAR SUBSTANTIAL COMPLETION.

DIVISION 13 - NOT USED

DIVISION 14 - NOT USED

DIVISION 15 - MECH, PLUMB, FIRE

- SECTION 15000 MECHANICAL, PLUMBING & FIRE PROTECTION
- A MECHANICAL INSTALLATION AND MATERIALS OF ALL SYSTEMS SHALL CONFORM TO THE REQUIREMENTS OF THE CITY, COUNTY, STATE, AND NATIONAL CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND REQUIRED TO VISIT THE SITE, VERIFY DIMENSIONAL DATA AND REVIEW EXISTING CONDITIONS BEFORE PROCEEDING
- WITH THE WORK, ANY CONFLICTS WITH THE EXISTING CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. A COMPLETE AND OPERABLE SYSTEM SHALL BE PROVIDED. THIS IS DEFINED AS ONE WHICH HAS BEEN FURNISHED, MOUNTED, INSTALLED, AND PLACED IN OPERATION, BALANCED FOR AIR AND WATER, TESTED FOR CONFORMANCE TO THE CAPACITIES
- CORRESPONDING TO THE DESIGN CRITERIA. THE SYSTEM SHALL BE INSTALLED AND ADJUSTED IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATIONS, TESTED FOR SEQUENCE OF CONTROL INCLUDING FAIL SAFE AND LIFE SAFETY CONSIDERATIONS AND AVAILABLE IN A CLEAN
- COORDINATE LOCATIONS OF ALL VISIBLE DEVICES WITH THE LIGHTING PLAN.
- MAINTAIN AN AVERAGE TEMPERATURE OF 68 TO 70 DEGREES DURING THE WINTER. 75 TO 77 DEGREES DURING THE SUMMER. INTERIOR ZONES SHALL BE DESIGNED TO SERVE 1,800 SQUARE FEET EACH. EXTERIOR
- ZONES SHALL BE DESIGNED TO SERVE 700 SQUARE FEET EACH. EXHAUST ALL TOILET ROOMS TO THE OUTSIDE AT A RATE OF 2 CFM PER SQ. FT. C. DESIGN CRITERIA - PLUMBING SYSTEM
- PROVIDE COMPLETE PLUMBING SYSTEMS NECESSARY TO OPERATE THE DEVICES SHOWN IN THESE DOCUMENTS. D. DESIGN CRITERIA - FIRE PROTECTION SYSTEM
- PROVIDE THE NECESSARY FIRE SPRINKLER SYSTEMS AND FIRE ALARM SYSTEMS TO GIVE COMPLETE PROTECTION AS REQUIRED BY CODE. MEP / SPRINKLER NOTES
- ALL FIRE SPRINKLER WORK SHALL BE PERFORMED BY A BASE BUILDING APPROVED CONTRACTOR. SPRINKLER HEADS IN GYPSUM BOARD AND MALL FRONTS SHALL BE CONCEALED HEAD TYPE. SEMI-RECESSED OR CONCEALED TYPE MAY BE USED IN LAY-IN CEILINGS VISIBLE TO CUSTOMERS. SURFACE MOUNTED HEADS ARE ACCEPTABLE IN THE BACK AREA.
- FIRE SPRINKLER DESIGN SHALL BE PERFORMED BY A STATE LICENSED DESIGNER.
- PAINT ALL DIFFUSERS AND GRILLS TO MATCH ADJACENT SURFACES. BATTERY PACKS FOR EMERGENCY LIGHTS SHALL BE REMOTE OR RECESSED. IF CEILING ACCESS PANELS ARE REQUIRED, PAINT TO MATCH ADJACENT SURFACE.
- ALL TRACK LIGHTS MOUNTED ON P1 FINISH SHALL BE WHITE. VERIFY LOCATIONS OF DEMISING WALLS, CLEAR HEIGHTS, COLUMNS, MALL FRONTS AND ANY OTHER SIGNIFICANT COMPONENTS WITH THOSE INDICATED ON THE PLAN. NOTIFY THE ARCHITECT OF ANY DIFFERENCES.
- CEILING HEIGHTS INDICATED ON SHEET A-3 ARE INTENDED TO REPRESENT AN "IF POSSIBLE" SCENARIO. IF THE EXISTING STRUCTURE, MAJOR DUCTWORK OR OTHER OBSTRUCTIONS PROHIBIT THE REFERENCED HEIGHTS, PROVIDE AS MUCH HEIGHT AS POSSIBLE, MAINTAINING A 6" DIFFERENCE FROM THE GYPSUM BOARD SURROUND TO THE LAY-IN CEILING. NOTIFY THE ARCHITECT OF THE DIFFERENCES PRIOR TO INSTALLATION.

DIVISION 16 - FIRE ALARM

DIVISION 16

SECTION 16720 - FIRE ALARM SYSTEM

A. GENERAL

REQUIREMENTS AS APPLICABLE.

- CONDITIONS OF THE CONTRACT A. THE GENERAL CONDITIONS AND SUPPLEMENTARY CONDITIONS SHALL APPLY TO AND FORM PART OF THIS DIVISION.
- THIS SECTION INCLUDES ALL LABOR, MATERIAL, EQUIPMENT AND RELATED SERVICES NECESSARY TO FURNISH, INSTALL AND CONNECT A COMPLETE FIRE ALARM SYSTEM.
- A FIRE ALARM SYSTEM SHALL BE PROVIDED WHERE REQUIRED BY LOCAL CODES AND/OR AS REQUIRED BY THE AHJ. PROVIDE COMPLETE SYSTEM DESIGN AND SUBMITTAL INCLUDING PRODUCT DATA AND

SHOP DRAWINGS AND SUBMIT TO T-MOBILE FOR APPROVAL. UPON T-MOBILE APPROVAL,

SUBMIT TO THE AHJ FOR APPROVAL AND PERMIT. COORDINATE ALL INSPECTIONS AND PERFORM SYSTEM TESTING PER THE AHJ REQUIREMENTS. COMPLY WITH NFPA 72 AND THE NEC AS APPLICABLE TO CONSTRUCTION AND INSTALLATION OF FIRE ALARM AND DETECTION SYSTEM COMPONENTS AND ACCESSORIES. PROVIDE COMPONENTS AND SYSTEMS WHICH ARE UL LISTED AND LABELED FOR FIRE ALARM. PROVIDE FIRE ALARM AND DETECTION SYSTEMS AND

ACCESSORIES WHICH ARE FM APPROVED, COMPLY WITH STATE AND LOCAL

DIVISION 16 - FIRE ALARM, CONT.

- ACCEPTABLE MANUFACTURERS: EDWARDS, NOTIFIER, SIEMENS, SIMPLEX. WHERE PART OF THE LANDLORD SYSTEM PROVIDE DEVICES MANUFACTURED BY AND COMPATIBLE WITH LANDLORD SYSTEM.
- WHERE PART OF THE LANDLORD SYSTEM PROVIDE DEVICES MANUFACTURED BY AND COMPATIBLE WITH LANDLORD SYSTEM. COMPLY WITH ALL REQUIREMENTS AS ESTABLISHED BY THE AHJ AND LANDLORD FOR TENANT SPACES.
- THE SYSTEM SHALL OPERATE AS A LOW VOLTAGE, INTELLIGENT, POINT IDENTIFICATION FIRE MANAGEMENT SYSTEM. THE FIRE DETECTION AND CONTROL SYSTEM SHALL MONITOR INTELLIGENT (ANALOG) AND ADDRESSABLE (DIGITAL) DEVICES, TRADITIONAL INITIATING DEVICES, POINT IDENTIFY THE ALARM LOCATION AND TRANSMIT A SIGNAL TO THE MONITORING AGENCY.
- AN ALARM SHALL BE DISPLAYED ON AN 80 CHARACTER ALPHANUMERIC DISPLAY AT THE MAIN PANEL. WHEN REQUIRED BY THE AHJ. PROVIDE REMOTE 80 CHARACTER KEYPAD ANNUNCIATOR AT APPROVED LOCATION.
- PROVIDE REQUIRED INTERFACE CONNECTION TO FIRE SPRINKLER SYSTEM TAMPER SWITCHES, FLOW SWITCHES AND HIGH/LOW AIR PRESSURE ALARM SWITCHES. INCLUDE CONNECTION TO TAMPER SWITCHES IN EXTERIOR VAULTS. PROVIDE CONNECTION FROM DUCT SMOKE DETECTORS TO FAN STARTER CONTROL
- CIRCUIT. FANS SHALL BE SHUT DOWN ON LOCAL DETECTION ONLY. PROVIDE INTERFACE RELAY TO CONTROL SYSTEM. PROVIDE F.A. POWER AND FIRE CLOSURE SIGNAL CONNECTION TO ALL FIRE SHUTTERS
- IN CORRIDORS. SHUTTERS SHALL BE POWERED FROM FIRE ALARM PANEL. PROVIDE MANUAL STATIONS WHERE REQUIRED. MANUAL STATIONS SHALL BE DIE-CAST ALUMINUM WITH WHITE LETTERING AND RED FINISH. EQUIP WITH PLASTIC

10. PROVIDE SMOKE DETECTORS WHERE REQUIRED. SMOKE DETECTORS SHALL BE

- PHOTOELECTRIC TYPE WITH VISUAL INDICATION OF DETECTOR ACTUATION. DETECTORS SHALL BE ADDRESSABLE AND INTELLIGENT TYPE. DUCT SMOKE DETECTORS SHALL BE PHOTOELECTRIC TYPE AND SHALL OPERATE AT AIR VELOCITIES OF 300 FEET PER MINUTE TO 2000 FEET PER MINUTE. AN INTEGRAL FILTER SYSTEM SHALL BE INCLUDED TO REDUCE DUST AND RESIDUE ACCUMULATION. AN AIR FLOW MONITOR SHALL BE INCLUDED TO INDICATE THE PRESENCE AND DIRECTION OF AIR FLOW THROUGH THE DETECTOR. PROVIDE FOR ALL FAN SUPPLYING AIR TO BUILDING WITH CFM TOTALS OF 2000 CFM OR GREATER. PROVIDE AT SUPPLY
- AND/OR RETURN DUCT AS REQUIRED BY LOCAL CODE. HORN/STROBES SHALL BE SOLID STATE CONSTRUCTION AND SHALL PRODUCE A BROADBAND HORN SOUND OUTPUT OF 96 DBA (103 PEAK DBA) AT 10 FEET IN AN ANECHOIC CHAMBER. THE STROBES SHALL PRODUCE 8000 PEAK CANDLEPOWER AT ONE FLASH PER SECOND.

EXECUTION:

- INSTALLATION: PROVIDE THE SYSTEM IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, ALL APPLICABLE CODES AND THE MANUFACTURER'S RECOMMENDATIONS. ALL WIRING SHALL BE INSTALLED IN STRICT COMPLIANCE WITH ALL THE PROVISIONS OF NEC: ARTICLE 760 A AND C, POWER-LIMITED FIRE PROTECTIVE SIGNALING CIRCUITS OR, IF REQUIRED, MAY BE RECLASSIFIED AS NON-POWER LIMITED AND WIRED IN ACCORDANCE WITH NEC: ARTICLE 760 A AND B. UPON COMPLETION, THE CONTRACTOR SHALL SO CERTIFY IN WRITING TO
- T-MOBILE AND GENERAL CONTRACTOR. THE SUPPLIER SHALL HAVE THE CAPABILITIES OF RESPONDING TO A SERVICE CALL WITH A FACTORY TRAINED TECHNICAL REPRESENTATIVE WITHIN 24 HOURS. ALSO, THIS SUPPLIER SHALL MAINTAIN AN ADEQUATE STOCK OF ALL PARTS NECESSARY FOR THE

CONTRACTOR SHALL SO CERTIFY IN WRITING TO T-MOBILE.

- REPAIR OF THIS EQUIPMENT ON HAND AT ALL TIMES. THE SYSTEM, UPON COMPLETION OF INSTALLATION BY THE CONTRACTOR, SHALL BE CHECKED OUT AND ALL CONNECTIONS TO INITIATING AND INDICATING DEVICES SHALL BE SUPERVISED BY FACTORY TRAINED TECHNICIANS IN THE EMPLOY OF A FACTORY FRANCHISED DEALER FOR THE PRODUCT INSTALLED. EACH INDIVIDUAL DEVICE SHALL BE
- CHECKED OUT AND TESTED FOR OPERATION BY A FACTORY TRAINED TECHNICIAN. THE COMPLETED FIRE ALARM SYSTEM SHALL BE FULLY TESTED IN ACCORDANCE WITH NFPA 72H BY THE CONTRACTOR IN THE PRESENCE OF T-MOBILE'S REPRESENTATIVE AND THE LOCAL FIRE MARSHAL. UPON COMPLETION OF A SUCCESSFUL TEST, THE

BELLEVUE, WA 98006 www.t-mobile.com

Firm's License #

State License #

DESCRIPTION BUILDING DEPARTMENT

S 8

DATE: 12/19/2017 SCALE: DRAWN BY

TMO364

MDC CORPORATE - RELO

PROJECT No.