GENERAL NOTES

1. ALL INTERIOR PARTITIONS WILL BE WOOD STUDS AT 16" O.C. UNLESS NOTED OTHERWISE, REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL EXTERIOR WALL CONSTRUCTION INFORMATION.
2. ALL METAL STUDS 20 GA. - TYPICAL NON-LOAD-BEARING PARTITIONS. SEE USG STEEL-FRAMED DRYWALL SYSTEMS "LIMITING HEIGHT - STEEL STUD ASSEMBLIES CHART. USE THE L/240 ALLOWABLE DEFLECTION FIGURES ONLY.
3. THE ARCHITECT HAS ENDEAVORED TO VERIFY THAT ALL DIMENSIONS WORK WITH ALL WALL SYSTEMS AND FIXTURES. HOWEVER, IT MAY BE NECESSARY FOR THE MILLWORK CONTRACTOR TO SLIGHTLY ALTER A FIXTURE SIZE FOR VARIOUS REASONS. THEREFORE, THE G.C. SHALL VERIFY WITH MILLWORK CONTRACTOR THE ACTUAL SIZE OF ALL WALL SYSTEMS, COMPONENTS, AND FIXTURES BEFORE CONSTRUCTING ANY WALLS.
4. DIMENSIONS ARE TO FACE OF GYPSUM WALL BOARD OR CENTERLINE OF COLUMN. ALL ELEVATIONS ARE NOTED FROM FINISH FLOOR ELEVATIONS.
5. ALL GYPSUM BOARD SHALL BE 5/8" TYPE 'X', UNLESS NOTED OTHERWISE.
6. PROVIDE DRYWALL TRIM AT ALL EXPOSED EDGES AND CORNERS.
7. MINIMUM DIMENSION FROM ANY CORNER OR WALL TO FRAMING STUD AT DOOR JAMB OPENING SHALL BE 4" (U.O.N.).
8. PROVIDE METAL OR F.R.T. WOOD BLOCKING FOR ALL SIGNS AND ANY OTHER WALL MOUNTED EQUIPMENT. COORDINATE ALL BLOCKING REQUIREMENTS NECESSARY FOR MILLWORK WITH MILLWORK SUPPLIER.
9. THE G.C. SHALL VERIFY DIMENSIONS OF THE EXISTING SPACE AND OF ANY EXISTING CONSTRUCTION TO REMAIN BY ACTUAL MEASUREMENT BEFORE ANY WORK IS PERFORMED. IF ANY MEASUREMENTS DIFFER FROM DIMENSIONS SHOWN ON PLAN, G.C. IS TO NOTIFY THE OWNER IMMEDIATELY. THE G.C. SHALL BE RESPONSIBLE FOR CORRECTING ANY AND ALL DISCREPANCIES FOUND AFTER THE WORK IS PERFORMED, AT NO ADDITIONAL EXPENSE TO THE OWNER.
10. G.C. TO VERIFY ALL FINISHED DIMENSIONS. FIELD CONDITIONS ALTERING ANY DIMENSIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT.
11. THE CONTRACTOR SHALL REMEDY, WITHOUT COST TO TENANT, ANY DEFECTS DUE TO FAULTY WORKSMANSHIP.
12. THE G.C. SHALL COORDINATE WORK OF VARIOUS TRADES IN INSTALLATION OF INTERRELATED WORK. BEFORE INSTALLATION OR WORK BY ANY TRADE BEGINS, MAKE PROPER PROVISIONS TO AVOID INTERFERENCES. CHANGES REQUIRED IN WORK CAUSED BY NEGLECT SHALL BE MADE AT NO COST TO THE OWNER. THIS SHALL INCLUDE WORK PERFORMED BY ANY OF THE OWNER'S SUB-CONTRACTOR AS WELL AS THOSE UNDER CONTRACT TO THE G.C.
13. CONVENIENCE OUTLETS MOUNTED AS REQUIRED BY APPLICABLE REGULATORY REQUIREMENTS U.O.N. CONVENIENCE OUTLETS TO MATCH ADJACENT WALL COLOR AS REQUIRED. OUTLETS TO BE LOCATED SO AS TO BE AS INCONSPICUOUS AS POSSIBLE AT 18" A.F.F.
14. ALL EXIT DOORS SHALL BE READILY OPENED FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE WITHOUT USE OF KEY OR SPECIAL KNOWLEDGE. ALL EXIT DOORS SHALL HAVE ALL HARDWARE NECESSARY TO SATISFY THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
15. THE G.C. SHALL PROVIDE CAULK JOINTS WHERE GYP. BD. MEETS THE FLOOR OR ROOF DECK. PACK FLUTES AT DECK.
16. ALL PAINT SHALL BE AS SPECIFIED AND PROVIDED BY G.C. EXCEPT WHERE OTHERWISE SPECIFIED TO BE BY FIXTURE CONTRACTOR OR THE OWNER.
17. THE G.C. SHALL BE RESPONSIBLE FOR COORDINATING WITH OWNER ON ALL WORK TO BE PERFORMED BY THE OWNER. ANY POTENTIAL CONFLICTS OR DELAYS CAUSED BY THE OWNER'S SUBCONTRACTORS MUST BE DOCUMENTED IN WRITING TO THE OWNER BEFORE THE DELAY IS ACTUALLY INCURRED FOR IT TO BE CONSIDERED. OTHERWISE THE G.C. WILL BE RESPONSIBLE FOR MEETING THE SCHEDULE AS OUTLINED IN THE CONTRACT.
18. THE G.C. SHALL SUPPLY ALL MATERIALS, LABOR AND COORDINATION REQUIRED FOR THE INSTALLATION OF ALL OWNER-SUPPLIED ITEMS AS DESCRIBED IN THE DOCUMENTS, U.N.O.
19. THE G.C. IS RESPONSIBLE FOR ALL FLOOR AND WALL PENETRATIONS FOR ELECTRICAL AND MECHANICAL WORK. ALL SUCH OPENINGS SHALL BE FRAMED AND REINFORCED.
20. FLOOR SURFACES AT ENTRY SHALL BE LEVELED TO ASSURE SMOOTH SURFACE FOR FINISH FLOOR INSTALLATION. G.C. SHALL ALSO PAY SPECIAL ATTENTION THAT ALL WALL SURFACES ARE SMOOTH WHERE MURALS WILL BE PAINTED OR WHERE GRAPHICS WILL BE DIRECTLY APPLIED TO WALL.
21. PROVIDE FIRE EXTINGUISHERS (2A-10BC) WITH RECESSED OR SEMI-RECESSED CABINET (FEC) WITHIN 75 FEET TRAVEL DISTANCE OF ALL POINTS IN THE OCCUPANCY. EXTINGUISHER SHALL BE MOUNTED ON A HOOK WITHIN THE CABINET (ELEVATED OFF CABINET FLOOR) PLACED IN EASILY ACCESSIBLE LOCATIONS AT A MINIMUM OF 48" FROM THE TOP OF THE CABINET TO THE FINISHED FLOOR. PROVIDE ON FEC IN THE STOCK-ROOM NEAR THE EXIT DOOR, AND ADDITIONAL FEC IN THE STOCK ROOM IF NEEDED TO MEET THE 75 FEET TRAVEL DISTANCE. TYPE (K) EXTINGUISHERS TO BE PROVIDED IN ALL FOOD PREP. AREAS AND AT DISCRETION OF FIRE OFFICIAL.
22. G.C. TO COORDINATE ALL UTILITY STUB-UPS AND LOCATION OF ALL EQUIPMENT IN SERVICE ROOM PRIOR TO INSTALLING ANY ONE ITEM
23. PROVIDE FIRE BLOCKING AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES. ANY PENETRATIONS THROUDGH THIS MEMBER MUST BE SEALED.

KEYNOTES

1.02 GRAPHIC ON SOFFIT ABOVE. REFER TO GRAPHIC PACKAGE FOR ADDITIONAL IBFORMATION.

5.41 METAL STUD CONSTRUCTION AT FRYER AND GRILL HOOD LOCATIONS.

5.52 ROOF LADDER AND HATCH BY G.C.

5.56 ROOF CANOPY ABOVE.

7.71 METAL DOWNSPOUT TO BE FINISHED P-10

9.03 LINE OF SOFFIT/FURR-DOWN ABOVE.

9.02 OPENING IN WALL.

9.14 STAINLESS STEEL WALL CAP PROVIDED BY KEC. REFER TO DETAIL 9/A-701 FOR MORE INFORMATION.

9.76 STAINLESS STEEL SILL AT DRIVE THRU WINDOWS PROVIDED BY KEC. REFER TO DETAIL 10/A-701 FOR MORE INFORMATION.

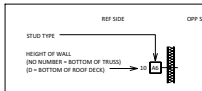
9.79 STAINLESS STEEL COUNTER @ 42" A.F.F. BY KEC.

11.41 WALK-IN FREEZER/COOLER. G.C. TO COORDINATE INSTALLATION WITH KITCHEN VENDOR.

15.20 DROP-DOWN FOR GAS LINE

16.30 ELECTRICAL PANELS. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.

WALL LEGEND



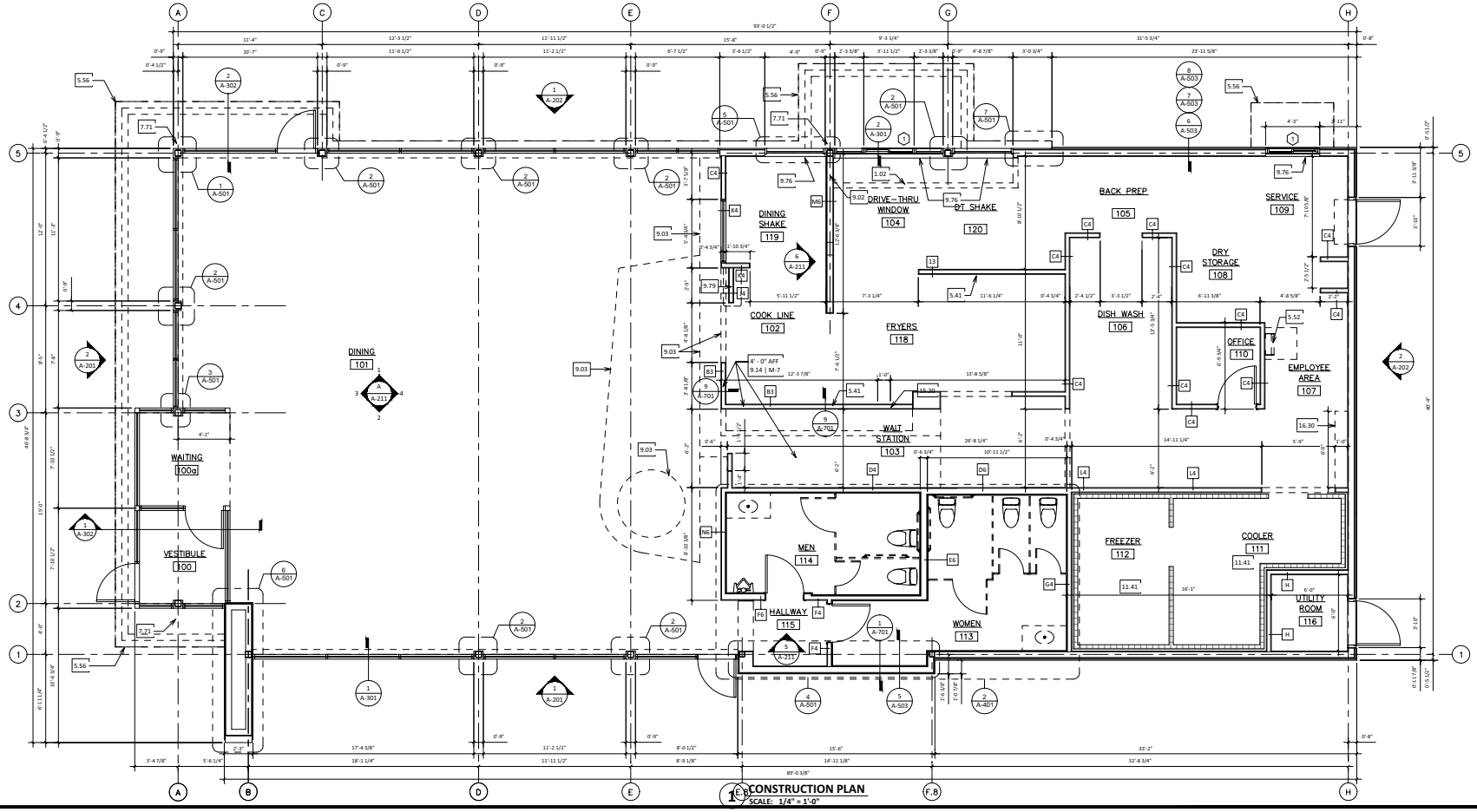
STUD TYPES:
3 — 3-5/8" METAL STUDS @16" O.C.
4 — 2x4 WOOD STUDS @16" O.C.
6 — 2x6 WOOD STUDS @16" O.C.

WALL TYPE SCHEUDULE NOTES:

1. ALL STUDS TO EXTEND TO UNDERSIDE OF TRUSS, UNLESS NOTED OTHERWISE. SEE SHEET A-702 FOR ATTACHMENT DETAILS. STUD SPACING SHALL BE 16" O.C., UNLESS OTHERWISE NOTED.
2. G.C. TO PROVIDE STAINLESS STEEL FINISH FROM TOP OF WALL BASE TO CEILING EXTENDING NOT LESS THAN 18" IN ALL DIRECTIONS FROM HOOD.
3. SEE STRUCTURAL DRAWINGS FOR ACTUAL HEIGHT OF CONCRETE CURB.
4. EXTEND SHEATHING 6" ABOVE CEILNG, UNLESS OTHERWISE NOTED.
5. REFER TO STRUCTURAL DRAWINGS FOR EXTENT OF SHEAR WALL SHEATHING
6. ALL KITCHEN WALLS (INCLUDING INTERIOR OF EXTERIOR WALLS) TO HAVE 5/8" PLYWOOD ABOVE 5/8" CEMENTIOUS BACKER BOARD AT 24" A.F.F. U.N.O.

SHEATHING TYPES

	REFERENCE SIDE	OPPOSITE SIDE
A	5/8" TYPE "X" GYPSUM BOARD	5/8" TYPE "X" GYPSUM BOARD
B	5/8" CEMENTIOUS BACKER BOARD	5/8" CEMENTIOUS BACKER BOARD
C	5/8" CEMENTIOUS BACKER BOARD TO 24" A.F.F. WITH 5/8" PLYWOOD SHEATHING ABOVE	5/8" CEMENTIOUS BACKER BOARD TO 24" A.F.F. WITH 5/8" PLYWOOD SHEATHING ABOVE
D	5/8" CEMENTIOUS BACKER BOARD TO 24" A.F.F. WITH 5/8" PLYWOOD SHEATHING ABOVE	5/8" CEMENTIOUS BACKER BOARD TO 48" A.F.F. WITH 5/8" WATER RESISTANT GYP. BD ABOVE
E	5/8" CEMENTIOUS BACKER BOARD TO 48" A.F.F. WITH 5/8" WATER RESISTANT GYP. BD ABOVE	5/8" CEMENTIOUS BACKER BOARD TO 48" A.F.F. WITH 5/8" WATER RESISTANT GYP. BD ABOVE
F	5/8" MDF TO 48" A.F.F WITH 5/8" GYP. BD ABOVE	5/8" CEMENTIOUS BACKER BOARD TO 48" A.F.F. WITH 5/8" WATER RESISTANT GYP. BD ABOVE
G	5/8" CEMENTIOUS BACKER BOARD TO 48" A.F.F. WITH 5/8" WATER RESISTANT GYP. BD ABOVE	5/8" EXTERIOR GRADE PLYWOOD TO TOP OF FREEZER/COOLER WITH 5/8" GYP. BD ABOVE
H	5/8" TYPE "X" GYPSUM BOARD TO DECK	5/8" EXTERIOR GRADE PLYWOOD TO TOP OF FREEZER/COOLER WITH 5/8" GYP. BD ABOVE TO DECK
I	5/8" CEMENTIOUS BACKER BOARD TO 24" A.F.F. WITH 5/8" GYP. BD ABOVE	5/8" CEMENTIOUS BACKER BOARD
J	5/8" CEMENTIOUS BACKER BOARD TO 24" A.F.F. WITH 5/8" PLYWOOD SHEATHING ABOVE	5/8" TYPE "X" GYPSUM BOARD
K	5/8" CEMENTIOUS BACKER BOARD TO 24" A.F.F. WITH 5/8" PLYWOOD SHEATHING ABOVE	5/8" MDF TO 48" A.F.F WITH 5/8" GYP. BD ABOVE
L	5/8" CEMENTIOUS BACKER BOARD TO 24" A.F.F. WITH 5/8" PLYWOOD SHEATHING ABOVE	5/8" EXTERIOR GRADE PLYWOOD TO TOP OF FREEZER/COOLER WITH 5/8" GYP. BD ABOVE
M	5/8" TYPE "X" GYPSUM BOARD OVER 1/2" PLYWOOD STRUCTURAL SHEATHING FOR SHEAR WALL	5/8" CEMENTIOUS BACKER BOARD TO 24" A.F.F. WITH 5/8" PLYWOOD SHEATHING ABOVE
N	5/8" TYPE "X" GYPSUM BOARD OVER 1/2" PLYWOOD STRUCTURAL SHEATHING FOR SHEAR WALL	5/8" CEMENTIOUS BACKER BOARD TO 48" A.F.F. WITH 5/8" WATER RESISTANT GYP. BD ABOVE



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

BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVENUE SOUTH
KENT, WA 98032
(425)251-8222
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CIVIL ENGINEERING, LAND PLANNING, SURVEYING, ENVIRONMENTAL SERVICES

NO.	DATE	REVISION DESCRIPTION

SEAL: STATE OF CALIFORNIA — DANIEL BRIAN GOALWIN — C-18665 — REN. 6/30/21 — LICENSED ARCHITECT

CLIENT:
SATER OIL GROUP, INC.
683 CLIFFSIDE DRIVE SAN
DIMAS, CA 91773
909-293-7588

DEVELOPMENT INFORMATION:
STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:
SWC CHILDS AVE & PARSONS ST
MERCED, CALIFORNIA

DESIGNED BY:
CHECKED BY:
DRAWN BY:
VERSION: - AS NOTED -
PROJECT NO: 17655

DRAWING TITLE:
CONSTRUCTION PLAN AND NOTES

SHEET NO:
A-111

GENERAL NOTES

1. CEILING TILES TO BE CENTERED BOTH WAYS IN EACH ROOM OR SPACE UNLESS DIMENSIONED OTHERWISE.
2. ALL DIMENSIONS ARE TO THE CENTER OF LIGHT FIXTURE, U.N.O.
3. FIXTURES LOCATED WITHIN THE CEILING GRID, ARE NOT NECESSARILY CENTERED IN EACH CEILING TILE. FOLLOW DIMENSIONS ON PLAN. IF NO DIMENSION IS PRESENT CONTACT ARCHITECT TO VERIFY LOCATION.
4. LIGHT FIXTURES TO BE LOCATED AS INDICATED ON THIS PLAN. REFER TO ELECTRICAL DRAWINGS FOR EXACT NUMBER AND TYPE OF LIGHT FIXTURE. CONTACT ARCHITECT/ENGINEER IMMEDIATELY IF THERE ARE ANY DISCREPANCIES.
5. REFER TO MECHANICAL DRAWINGS FOR MECHANICAL DUCT DISTRIBUTION SYSTEM.
6. THE G.C. SHALL SET ALL CEILING AND SOFFITS USING A LASER LEVEL TO ACHIEVE A CEILING THAT IS PLUMB, LEVEL, AND SQUARE TO ALL WALLS AND SOFFITS.
7. ALL NOTED CEILING DIMENSIONS ARE INDICATED AS CLEAR ABOVE FINISHED FLOOR DIMENSIONS. VERIFY THICKNESS OF FLOOR CONSTRUCTION WITH FLOOR SUBCONTRACTOR PRIOR TO THE INSTALLATION OF ANY NEW CEILING CONSTRUCTION IN ORDER TO ACHIEVE NOTED REQUIRED DIMENSIONS.
8. ALL SOFFIT DIMENSIONS ARE TO FINISH FACE, U.N.O.
9. ALL EXTERIOR DIMENSIONS ARE TO THE FACE OF EXTERIOR FINISH, U.N.O.
10. G.C. TO PROVIDE ADEQUATE CLEARANCES FOR FIXTURES, DUCTS, CEILING AND PERTINENT ITEMS NECESSARY TO MAINTAIN THE SPECIFIC HEIGHTS ABOVE FINISH FLOOR. COORDINATE MECHANICAL, ELECTRICAL AND PLUMBING AS REQUIRED.
11. ADDITIONAL HANGER AND SAFETY WIRES FOR LIGHT FIXTURES, SPEAKERS, AND AIR SUPPLY/RETURN DIFFUSERS AS REQUIRED BY LOCAL CODES TO BE THE RESPONSIBILITY OF THE SUB-CONTRACTOR. ALL WIRING SUPPORT TO BE "CEILING GRADE" AS CONCURRENT WITH ELECTRICAL CODE ADOPTED FOR JURISDICTION OF PROJECT.
12. G.C. TO COORDINATE DUCTWORK INSTALLATION WITH TRUSS INSTALLATION TO MAXIMIZE LENGTH OF DUCTWORK ABLE TO BE USED THROUGH TRUSSES.
13. FULL ROWS OF LIGHTS TO BE CENTERED IN DINING AREA. ENDS OF LIGHTS TO ALIGN WITH ENDS OF FULL ROWS.
14. ALL ITEMS IN ABOVE WINDOW AND METAL TRIM LINE, THROUGHOUT THE TRUSSES AND VISIBLE FROM THE DINING AREA, TO BE PAINTED P-8, UNLESS OTHERWISE NOT PERMITTED BY CODE.
15. PROVIDE FIRE BLOCKING AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTASPACES. ANY PENETRATIONS THROUGOH THIS MEMBER MUST BE SEALED.

KEYNOTES

1.02 GRAPHIC MESSAGE ON FACE OF SOFFIT. COORDINATE LOCATION WITH GRAPHIC VENDOR.
5.52 ROOF HATCH AND LADDER BY G.C. LADDER TO HAVE RUNGS CONSTRUCTED OF A "NO SLIP" DESIGN OR SURFACED WITH NON-SLIP MATERIALS.
5.56 LINE OF METAL CANOPY OVER DRIVE THROUGH WINDOW - SEE A151 AND A202 FOR ADDITIONAL INFORMATION.
7.45 METAL SOFFIT PANELS, MP-1
9.03 SUSPENDED GYP. BD SOFFIT
9.04 GYP. BD CEILING IN CIRCLE TO BE TIGHT TO TRUSS. CEILING OF RECESSED CIRCLE SOFFIT AND WALLS ON INSIDE FACE OF CIRCLE TO BE PAINTED P-8
9.13 M-7 CLAD SOFFIT WITH MDF OR PLYWOOD SUBSTRATE ABOVE OPENING TO KITCHEN ON BOTH SIDES. M-7 FINISH TO RETURN ON UNDERSIDE OF SOFFIT.
11.40 TRIM PANELS PROVIDED BY KITCHEN VENDOR TO EXTEND ABOVE FREEZER/COOLER TO 6" ABOVE A.C.T. MINIMUM.
15.20 DROP-DOWN FOR GAS LINE.
15.73 LINE OF HOOD. EXTEND FACE OF STAINLESS STEEL ABOVE HOOD TO 6" MINIMUM ABOVE A.C.T. HOOD FURNISHED AND INSTALLED BY KITCHEN VENDOR, G.C. TO COORDINATE INSTALLATION OF ISLAND HOOD WITH SOFFIT LOCATION.
16.51 ILLUMINATED GRAPHIC BAND ON EDGES OF CANOPY. G.C. TO COORDINATE POWER REQUIREMENTS AND INSTALLATION WITH SIGNAGE VENDOR. SEE CANOPY DETAILS AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
16.52 CONTINUOUS FIN WALL ACCENT EDGE LIGHTING TO BE FURNISHED AND INSTALLED BY SIGN VENDOR
16.60 CUSTOM PENDANT LIGHT FIXTURE SUSPENDED FROM TOP OF COVE
16.62 PENDANT MOUNTED FIXTURE CENTERED OVER BOOTH TABLE AT 6'-0" A.F.F.
16.63 UPLIGHTS IN LANDSCAPE TO PROTECT THEM FROM BEING STEPPED ON
16.65 SCONCE LIGHT FIXTURE TO BE WALL-MOUNTED VERTICALLY. CENTER ON MIRROR 2'-7" APART.
16.66 LIGHTING BUILT IN TO FREEZER AND COOLER UNITS. G.C. TO COORDINATE INSTALLATION WITH KITCHEN VENDOR AND ELECTRICAL DRAWINGS
16.67 J2 FIXTURE TO BE LOCATED ON ROOF ABOVE FOR FIN ILLUMINATION.
16.68 SUSPENDED LINEAR STRIP LIGHT.
16.69 EXTERIOR LIGHTING FIXTURE. REF ELECTRICAL.
16.70 PENDANT MOUNTED FIXTURES CENTERED OVER COUNTER @ 7'- 0" AFF
16.72 EMR TO BE MOUNTED ON CEILING.

LIGHTING LEGEND

SYMBOL	M.F.G.	DESCRIPTION/MOUNTING & LOCATION
A	JUNO	RECESSED DOWNLIGHT FOR HALLWAY & WAIT STATION
A-EM	JUNO	EMERGENCY BATTERY BACK-UP RECESSED DOWNLIGHT FOR HALLWAY & WAIT STATION
B	TECH LIGHTING	PENDANT LIGHTS OVER COUNTER
C	TECH LIGHTING	PENDANT LIGHTS OVER BOOTHS IN DINING AREA
D#	AXIS	STRIP LIGHT FOR GENERAL LIGHTING IN DINING AREA, BOTTOM OF FIXTURE AT 10'-9" A.F.F. - # DEPICTS LENGTH OF STRIP IN FEET
D#-EM	AXIS	EMERGENCY BATTERY BACK-UP STRIP LIGHT FOR GENERAL LIGHTING IN DINING AREA, BOTTOM OF FIXTURE AT 10'-9" A.F.F. - # DEPICTS LENGTH OF STRIP IN FEET
D5		SCONCE LIGHT BESIDE VANITY
E	AXIS	LINEAR WALL WASHER IN DINING AREA
E-EM	AXIS	LINEAR WALL WASHER IN DINING AREA
E2	AXIS	LINEAR WALL WASHER IN DINING AREA
E3	AXIS	LINEAR WALL WASHER IN DINING AREA
EMR		EMERGI-LITE
EMR2		EMERGI-LITE
EMR3		EMERGENCY LIGHT/ EXIST SIGN COMBO
EX		EMERGI-LITE EXIT SIGN

SYMBOL	M.F.G.	DESCRIPTION/MOUNTING & LOCATION
F	CUSTOM	CUSTOM PENDANT OVER COUNTER
G	MOBERN	RECESSED GENERAL LIGHTING IN KITCHEN/BACK OF HOUSE AREAS
G-EM	MOBERN	RECESSED GENERAL LIGHTING IN KITCHEN/BACK OF HOUSE AREAS WITH BATTERY BACK-UP
G1	MOBERN	RECESSED GENERAL RESTROOM LIGHTING
G1-EM	MOBERN	RECESSED GENERAL RESTROOM LIGHTING WITH BATTERY BACK-UP
H	JUNO	RECESSED DOWNLIGHT IN UNDERSIDE OF EXTERIOR CANOPIES
J	JUNO	FOR UPLIGHTING OF FIN WALLS
J1	JUNO	FOR UPLIGHTING OF FIN WALLS
J2	JUNO	FOR UPLIGHTING OF FIN WALLS
K	FOCUS	EXTERIOR WALL WASHERS FOR GRAPHIC
M	FOCUS	CONTINUOUS UPLIGHT WALL WASHER ON TOP OF CANOPY
T	MOBERN	STRIP LIGHTING FOR SERVICE ROOM

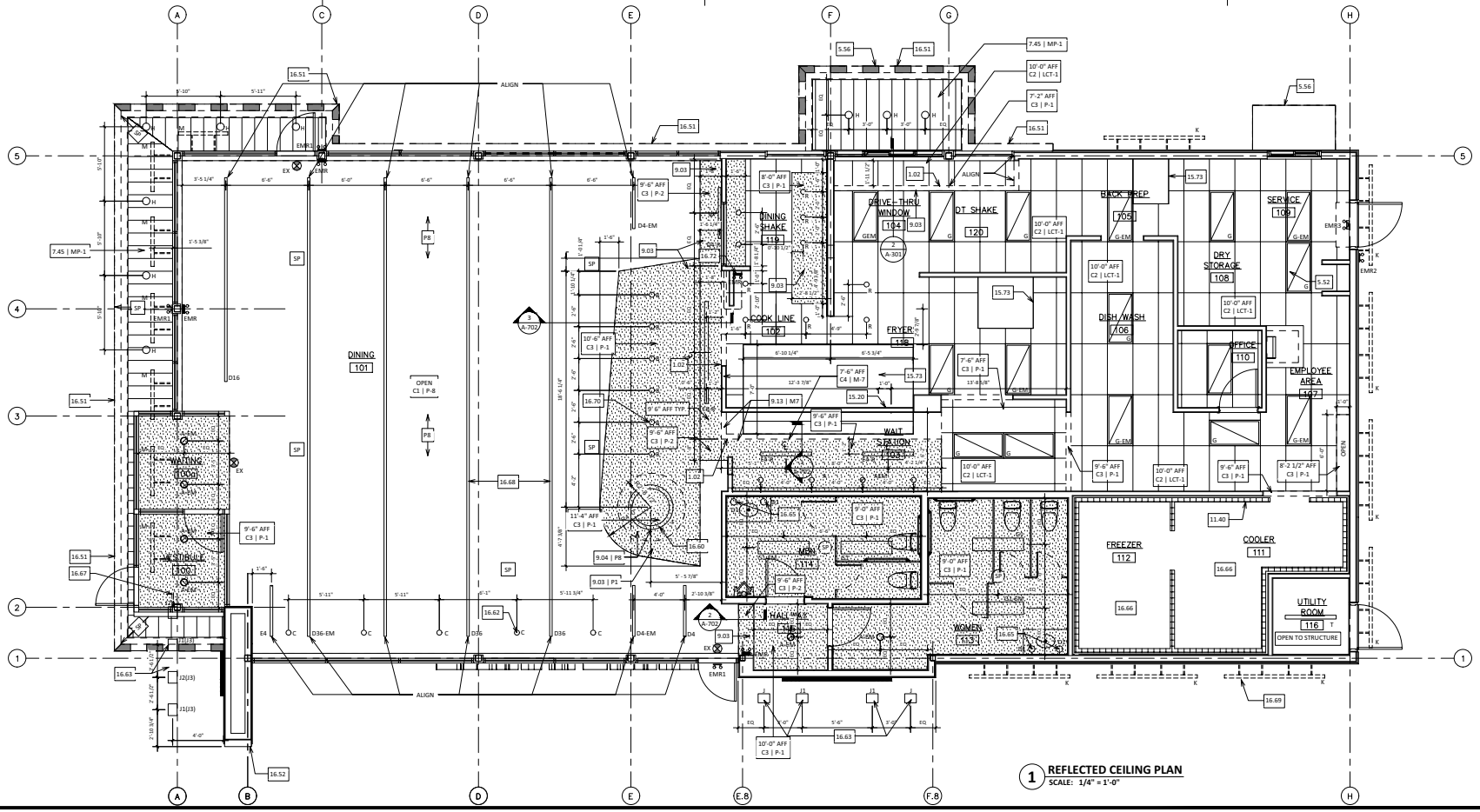
RCP LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	RETURN AIR DIFFUSER	SP	SPEAKER - TRUSS MOUNTED
	SUPPLY AIR DIFFUSER	SP	SPEAKER - CEILING MOUNTED
	SUPPLY AIR DIFFUSER - AIRFLOW BLOCKED ON SHADED SECTION. REFER TO SHEET M3.1 FOR DIFFUSER TYPE.	HEIGHT / CLG. / TYPE / FINISH	CEILING HEIGHT, TYPE, AND FINISH TAG
	EXHAUST FAN		

CEILING LEGEND

TYPE	MATERIAL
C1	OPEN TO STRUCTURE - PAINTED
C2	24" x 48" LAY-IN CEILING
C3	GYPSUM BOARD - PAINTED
C4	METAL FINISH (M-1) ON MDF OR PLYWOOD SUBSTRATE

NOTE: REFER TO FINISH SCHEDULE ON SHEET A-601 AND SPECIFICATIONS FOR MORE INFORMATION



1 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

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NO.	DATE	REVISION DESCRIPTION

SEAL: STATE OF CALIFORNIA DANIEL BRIAN GOALWIN C-18865 LICENSED ARCHITECT

CLIENT:
SATER OIL GROUP, INC.
683 CLIFFSIDE DRIVE SAN
DIMAS, CA 91773
909-293-7588

DEVELOPMENT INFORMATION:
STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:
SWC CHILDS AVE & PARSONS ST
MERCED, CALIFORNIA

DESIGNED BY:
CHECKED BY:
DRAWN BY:
VERSION:
PROJECT NO: 17655

DRAWING TITLE:
REFLECTED CEILING PLAN

SHEET NO:
A-121

GENERAL NOTES

1. INDICATES TYPICAL FINISHES WITHIN ROOM U.O.N. SEE SHEET A-601 FOR MATERIAL AND COLOR SCHEDULE.
2. ALL FLOOR COVERING MATERIALS TO BE INSTALLED PER MANUFACTURER'S STANDARD DETAILS AND SPECIFICATIONS. VERIFY W/ MANUFACTURER PRIOR TO INSTALLATION.
3. THE G.C. IS RESPONSIBLE FOR PROVIDING A SMOOTH LEVEL FLOOR SURFACE THAT MEETS THE MANUFACTURERS INSTALLATION SPECIFICATIONS PRIOR TO THE INSTALLATION OF ALL FLOORING MATERIALS. USE LEVELING COMPOUND UNDER TILE AND CARPET AREAS PER SPECIFICATIONS. PATCH/SHIM ALL AREAS AS NECESSARY SO THAT NEW FLOORING MEETS LEVEL WITH ALL OTHER FLOORING SURFACES MAX SLOPE OF 1:20.
4. THE FLOORING SUB-CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT THE CONDITION OF THE BASE FLOOR MEETS THE INSTALLATION SPECIFICATIONS PRIOR TO THE INSTALLATION OF THE NEW FLOORING MATERIAL.
5. ALL MATERIAL TRANSITIONS AT DOOR THRESHOLDS TO TAKE PLACE AT DOOR CENTERLINE U.N.O.
6. ALL DIMENSIONS ARE TO CENTERLINE OF TRANSITION BETWEEN FLOORING MATERIALS OR FINISH COLOR OF SAME MATERIAL. PLANS DO NOT SHOW ALL TILES OF SAME MATERIALS. CONTRACTOR TO START TILES AT POINT AS INDICATED ON PLANS.
7. STARTING POINT OF PT TO BE CENTERED IN VESTIBULE DOORWAY AS SHOWN.

KEYNOTES

7.43 ARCHITECTURAL WALL PANEL SYSTEM TO BE INSTALLED PER MANUFACTURERS INSTALLATION INSTRUCTIONS WITH 1/2" REVEALS AS INDICATED. PANELS TO BE FURNISHED AND INSTALLED BY SIGN VENDOR.

9.01 PORCELEIN TILE CIRCLE AND SURROUNDING 3" BAND.

9.06 CENTER TILE IN VESTIBULE; ALIGN WITH DINING ROOM TILE.

9.78 STAINLESS STEEL WALL FINISH PROVIDED BY KEC.

FINISH LEGEND

SPECIAL FINISH

SC-1	SEALED CONCRETE
AP-1	ARCHITECTURAL WALL PANEL SYSTEM WITH 1/2" REVEALS
SF-3	DURAFLEX ALTERNATE

TILE

T-2	4" x 8" WALL TILE, COLOR: URBAN PUTTY
T-3	4" x 4" TRIM TILE, COLOR BLACK K111
T-4	2" x 4" WALL TILE, COLOR: URBAN PUTTY
T-5	4" x 8" WALL TILE, COLOR: ARCTIC WHITE
PT-1	24" x 24" PORCELAIN TILE, COLOR: BROOKLYN GRAY
TT-1	TERRAZZO, COLOR "RED"
TT-2	TERRAZZO, COLOR "BLACK"
QT-1	6" X 6" QUARRY TILE, COLOR: GRAY

X-# - FINISH (REFER TO FINISH LEGEND ON SHEET A-601)

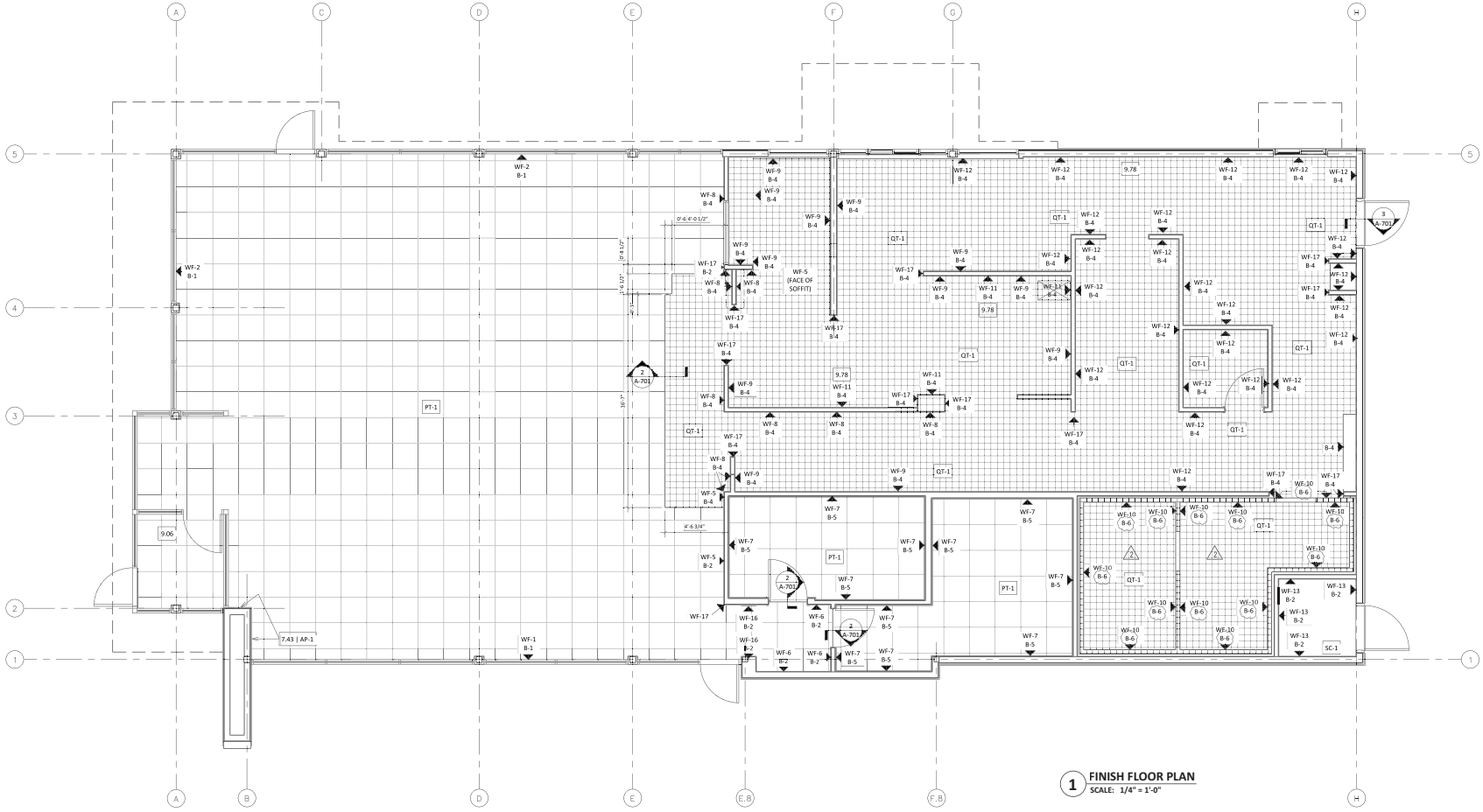
WF-# - WALL FINISH
B-# - BASE FINISH

WALL FINISHES

WF-1	STOREFRONT SYSTEM TO 10'-0" WITH P-8 ABOVE.
WF-2	STOREFRONT SYSTEM TO 9'-6" WITH P-7 ABOVE TO 10'-7". M-7 METAL TRIM AT 10'-9" WITH P-8 ABOVE.
WF-4	PL-1 TO 4'- 0" WITH M-7 METAL TRIM AND P-7 ABOVE
WF-5	GRAPHIC FOCAL.
WF-6	PL-1 TO 4'-0" AND P-8 ABOVE.
WF-7	T-2 WITH T-3 TRIM TO 4'-0" WITH P-8 ABOVE.
WF-8	T-5.
WF-9	FRP-1.
WF-10	PRE-FINISHED PANELS BY COOLER MANUFACTURER.
WF-11	STAINLESS STEEL WALL PANELS WITH Z TRIM AT BOTTOM TO OVERLAP BASE.
WF-12	FRP-2.
WF-13	P-1.
WF-14	WALL COVERING - TBD
WF-15	STAINLESS STEEL WALL PANELS WITH 'Z' TRIM AT BOTTOM TO METAL CAP M-7 ABOVE CAP TO SOFFIT ABOVE.
WF-16	P-8
WF-17	STAINLESS STEEL WALL CAP BY KEC

BASE

B-1	ALUMINUM STOREFRONT
B-2	4" VINYL BASE.
B-4	QUARRY TILE - REF DETAIL 12/A701
B-5	T-3 - REF DETAIL 8/A701
B-6	4" TOP SET 22 GA. STAINLESS STEEL COVE BASE (BY GENERAL CONTRACTOR)



1 FINISH FLOOR PLAN
SCALE: 1/4" = 1'-0"

18215 72ND AVENUE SOUTH
KENT, WA 98032
(425)251-8222
(425)251-8782 FAX

CIVIL ENGINEERING, LAND PLANNING, SURVEYING, ENVIRONMENTAL SERVICES

NO.	DATE	REVISION DESCRIPTION
2	11.15.16	HEALTH DEPT REVIEW

SEAL:

STATE OF CALIFORNIA
DANIEL BRIAN GOALWIN
C-18863
LICENSED ARCHITECT

CLIENT:
SATER OIL GROUP, INC.
683 CLIFFSIDE DRIVE SAN DIMAS, CA 91773
909-293-7588

DEVELOPMENT INFORMATION:
STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:
77 SOUTH PARSONS ST.
MERCED, CALIFORNIA

DESIGNED BY:
CHECKED BY:
DRAWN BY:
VERSION: - -
PROJECT NO: 17655

DRAWING TITLE:
FINISH FLOOR PLAN & NOTES

SHEET NO:
A-131

GENERAL NOTES

1. INDICATES TYPICAL FINISHES WITHIN ROOM U.O.N. SEE SHEET A-601 FOR MATERIAL AND COLOR SCHEDULE.
2. ALL FLOOR COVERING MATERIALS TO BE INSTALLED PER MANUFACTURER'S STANDARD DETAILS AND SPECIFICATIONS. VERIFY W/ MANUFACTURER PRIOR TO INSTALLATION.
3. THE G.C. IS RESPONSIBLE FOR PROVIDING A SMOOTH LEVEL FLOOR SURFACE THAT MEETS THE MANUFACTURERS INSTALLATION SPECIFICATIONS PRIOR TO THE INSTALLATION OF ALL FLOORING MATERIALS. USE LEVELING COMPOUND UNDER TILE AND CARPET AREAS PER SPECIFICATIONS. PATCH/SHIM ALL AREAS AS NECESSARY SO THAT NEW FLOORING MEETS LEVEL WITH ALL OTHER FLOORING SURFACES MAX SLOPE OF 1:20.
4. THE FLOORING SUB-CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT THE CONDITION OF THE BASE FLOOR MEETS THE INSTALLATION SPECIFICATIONS PRIOR TO THE INSTALLATION OF THE NEW FLOORING MATERIAL.
5. ALL MATERIAL TRANSITIONS AT DOOR THRESHOLDS TO TAKE PLACE AT DOOR CENTERLINE U.N.O.
6. ALL DIMENSIONS ARE TO CENTERLINE OF TRANSITION BETWEEN FLOORING MATERIALS OR FINISH COLOR OF SAME MATERIAL. PLANS DO NOT SHOW ALL TILES OF SAME MATERIALS. CONTRACTOR TO START TILES AT POINT AS INDICATED ON PLANS.
7. STARTING POINT OF PT TO BE CENTERED IN VESTIBULE DOORWAY AS SHOWN.

KEYNOTES

7.43 ARCHITECTURAL WALL PANEL SYSTEM TO BE INSTALLED PER MANUFACTURERS INSTALLATION INSTRUCTIONS WITH 1/2" REVEALS AS INDICATED. PANELS TO BE FURNISHED AND INSTALLED BY SIGN VENDOR.

9.01 PORCELEIN TILE CIRCLE AND SURROUNDING 3" BAND.

9.06 CENTER TILE IN VESTIBULE; ALIGN WITH DINING ROOM TILE.

9.78 STAINLESS STEEL WALL FINISH PROVIDED BY KEC.

FINISH LEGEND

SPECIAL FINISH

SC-1	SEALED CONCRETE
AP-1	ARCHITECTURAL WALL PANEL SYSTEM WITH 1/2" REVEALS
SF-3	DURAFLEX ALTERNATE

TILE

T-2	4" x 8" WALL TILE, COLOR: URBAN PUTTY
T-3	4" x 4" TRIM TILE, COLOR BLACK K111
T-4	2" x 4" WALL TILE, COLOR: URBAN PUTTY
T-5	4" x 8" WALL TILE, COLOR: ARCTIC WHITE
PT-1	24" x 24" PORCELAIN TILE, COLOR: BROOKLYN GRAY
TT-1	TERRAZZO, COLOR "RED"
TT-2	TERRAZZO, COLOR "BLACK"
QT-1	6" X 6" QUARRY TILE, COLOR: GRAY

X-# - FINISH (REFER TO FINISH LEGEND ON SHEET A-601)

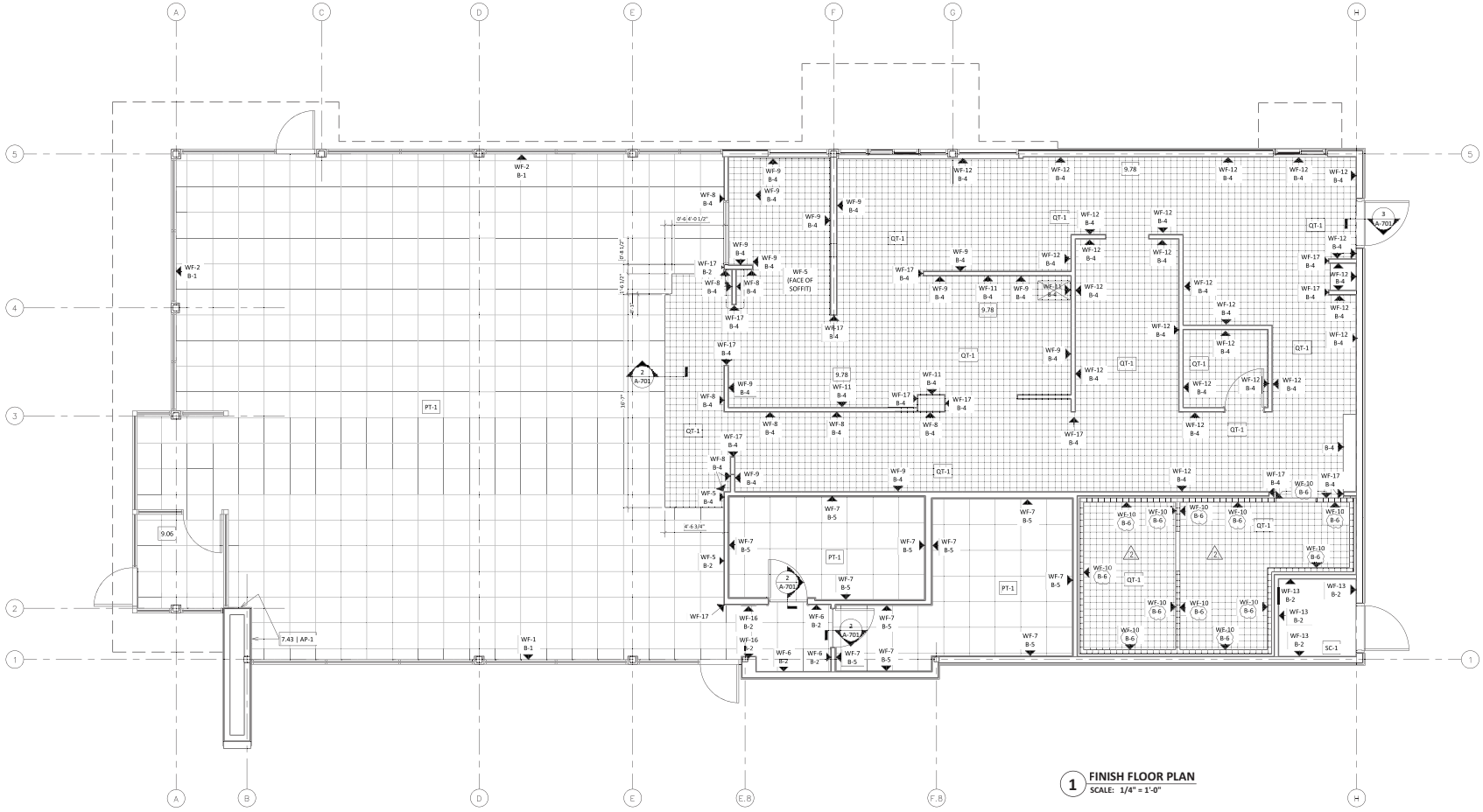
WF-# - WALL FINISH
B-# - BASE FINISH

WALL FINISHES

WF-1	STOREFRONT SYSTEM TO 10'-0" WITH P-8 ABOVE.
WF-2	STOREFRONT SYSTEM TO 9'-6" WITH P-7 ABOVE TO 10'-7". M-7 METAL TRIM AT 10'-9" WITH P-8 ABOVE.
WF-4	PL-1 TO 4'- 0" WITH M-7 METAL TRIM AND P-7 ABOVE
WF-5	GRAPHIC FOCAL.
WF-6	PL-1 TO 4'-0" AND P-8 ABOVE.
WF-7	T-2 WITH T-3 TRIM TO 4'-0" WITH P-8 ABOVE.
WF-8	T-5.
WF-9	FRP-1.
WF-10	PRE-FINISHED PANELS BY COOLER MANUFACTURER.
WF-11	STAINLESS STEEL WALL PANELS WITH Z TRIM AT BOTTOM TO OVERLAP BASE.
WF-12	FRP-2.
WF-13	P-1.
WF-14	WALL COVERING - TBD
WF-15	STAINLESS STEEL WALL PANELS WITH 'Z' TRIM AT BOTTOM TO METAL CAP M-7 ABOVE CAP TO SOFFIT ABOVE.
WF-16	P-8
WF-17	STAINLESS STEEL WALL CAP BY KEC

BASE

B-1	ALUMINUM STOREFRONT
B-2	4" VINYL BASE.
B-4	QUARRY TILE - REF DETAIL 12/A701
B-5	T-3 - REF DETAIL 8/A701
B-6	4" TOP SET 22 GA. STAINLESS STEEL COVE BASE (BY GENERAL CONTRACTOR)



1 FINISH FLOOR PLAN
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FINISH FLOOR PLAN & NOTES

SHEET NO:
A-131

GENERAL NOTES

1. G.C. TO COORDINATE WITH MILLWORKER FOR LOCATION OF BLOCKING AS REQUIRED.
2. GENERAL CONTRACTOR TO COORDINATE FINAL LOCATIONS OF FIXTURES AND/OR FURNITURE WITH OWNER BEFORE INSTALLATION, INCLUDING COORDINATING POWER, FIXTURE ANCHOR SLEEVES, AND/OR FIXTURES. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL POWER/DATA INFORMATION.
3. G.C. TO COORDINATE AND VERIFY ALL FIXTURE AND/OR FURNITURE QUANTITIES AND INSTALLATION WITH FIXTURE FABRICATOR AND OWNER.
4. LOCATE FIXTURES AND FURNISHINGS AS TO MAINTAIN 36" CLEAR BETWEEN AND A 44" WIDE EGRESS PATH TO EXIT DOORS.
5. REFER TO GRAPHICS PACKAGE FOR PLACEMENT OF INTERIOR GRAPHICS.
6. G.C. TO COORDINATE WITH KITCHEN VENDOR THE LEAD TIMES OF ALL KITCHEN EQUIPMENT BEFORE DEVELOPING A MASTER SCHEDULE.
7. G.C. TO VERIFY LOCATION OF COLUMN AND COORDINATE WITH VENDOR FOR PROPER ADJUSTMENTS TO BOOTH CONSTRUCTION.

KEYNOTES

1.02	GRAPHIC ON SOFFIT ABOVE. REFER TO GRAPHIC PACKAGE FOR ADDITIONAL INFORMATION.
1.03	GRAPHIC FOCAL WALL. REFER TO GRAPHICS PACKAGE FOR ADDITIONAL INFORMATION AND BLOCKING REQUIREMENTS.
1.05	INTERIOR LIFESTYLE GRAPHICS. REFER TO SIGN AND GRAPHICS DESIGN GUIDELINES FOR ADDITIONAL INFORMATION.
1.09	WALLPAPER - TBD
1.12	VENDING MACHINE BY OWNER
5.52	ROOF LADDER AND HATCH.
9.02	STAINLESS STEEL PASS THRU OPENING WITH LEDGE.
9.79	STAINLESS STEEL COUNTER @ 42" A.F.F. BY KEC.
10.28	AUTOMATIC PAPER TOWEL ROLL DISPENSER - SEE A-401 FOR ADDITIONAL MANUFACTURER INFORMATION
11.16	SAFE UNDER MANAGER'S DESK PROVIDED BY KITCHEN VENDOR. SEE KITCHEN SHEETS FOR MORE INFORMATION
11.42	KITCHEN LAYOUT, INCLUDING ALL EQUIPMENT AND FURNITURE SHOWN FOR REFERENCE ONLY. SEE KITCHEN AND MEP DRAWINGS FOR ADDITIONAL SPECIFICATIONS, POWER, DATA, PLUMBING, HVAC, DRAINS AND VENTILATION AS REQUIRED.
12.10	FRAMED WALL GRAPHIC BY STEAK 'N SHAKE MARKETING. LOCATE AS INDICATED: MOUNT BOTTOM OF FRAME AT 4'-8" A.F.F. 12.10a FAMOUS FOR STEAKBURGERS 12.10b IT'S A MEAL 12.10c COOKED TO ORDER 12.10d SINCE 1934 12.10e AN AMERICAN CLASSIC
12.36	OMITTED
12.51	MANAGER'S DESK WITH SHELVES AND CABINET ABOVE BY KITCHEN VENDOR. SEE KITCHEN SHEETS FOR MORE INFORMATION.
16.20	COORDINATE POWER/DATA REQUIREMENTS WITH ELECTRICAL DRAWINGS AND FIXTURE FABRICATOR.

FURNISHINGS SCHEDULE

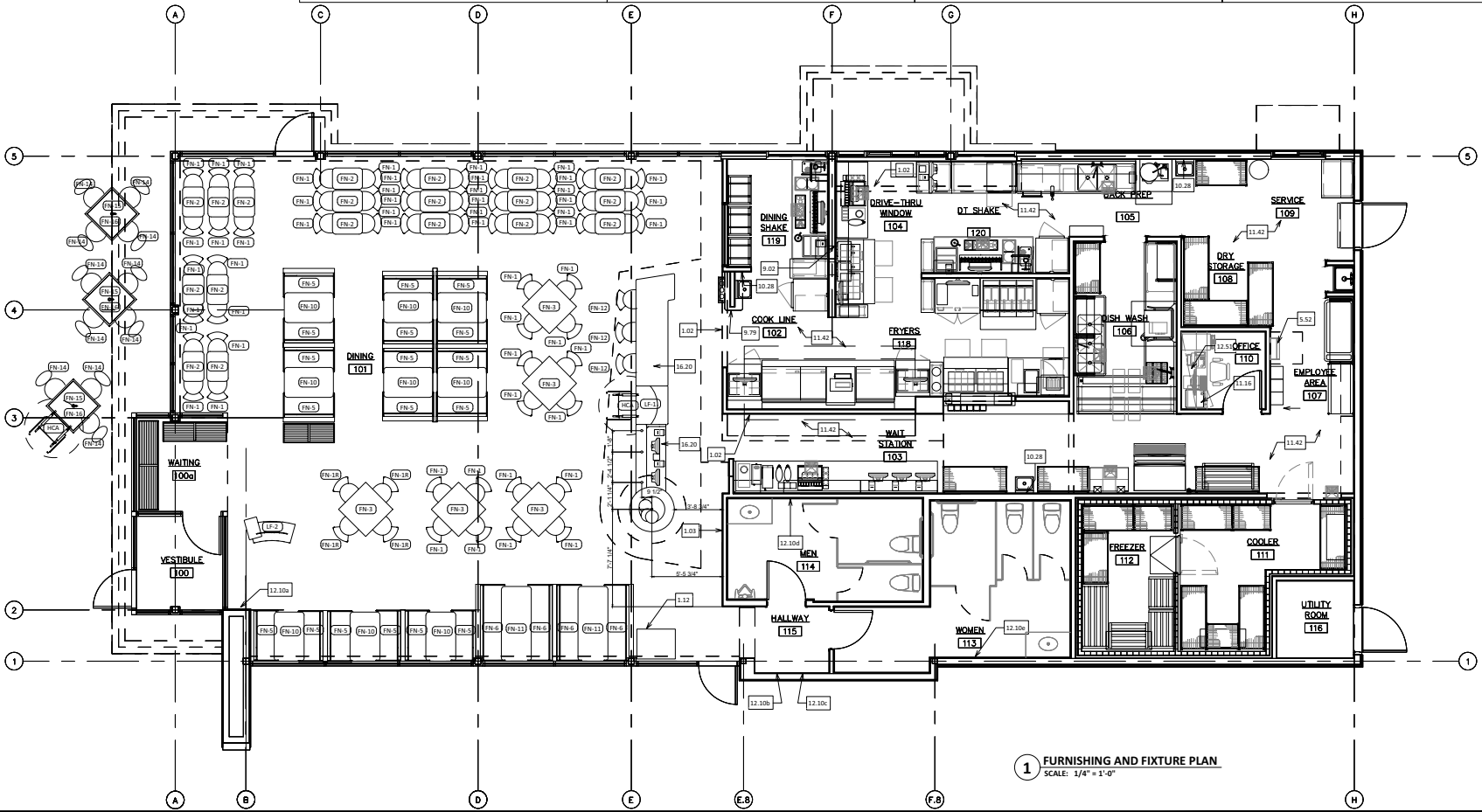
ITEM	DESCRIPTION	NOTE
FN-1	DINING CHAIR STANDARD	BLACK
FN-1R	FEATURE CHAIR	RED
FN-2	2 TOP TABLE	
FN-3	4 TOP TABLE	
FN-4	BOOTH SEATING 24"	
FN-5	BOOTH SEATING 48"	SIZE PER TABLE
FN-6	BOOTH SEATING 72"	
FN-7	BOOTH SEATING 99"	
FN-8	BOOTH SEATING CIRCULAR	
FN-9	BOOTH TABLE SMALL	
FN-10	BOOTH TABLE MEDIUM	FIXED TO FLOOR
FN-11	BOOTH TABLE LARGE	
FN-12	DINING STOOL	RED
FN-13	BOOTH TABLE ROUND	
FN-14	PATIO CHAIR	
FN-15	PATIO TABLE	
FN-16	PATIO UMBRELLA	
LF-1	COUNTER	
LF-2	HOSTESS BOOTH	
LF-3	COUNTERTOP @ 42" A.F.F.	

SEATING CAPACITIES

TYPES	PARTIES	SEATS	PERCENTAGE
INTERIOR			
2 TOPS	17	34	
4 TOPS	5	20	
SMALL BOOTH	9	36	
LARGE BOOTH	2	12	
CORNER COUNTER	1	3	
FRONT COUNTER	1	4	
INTERIOR DINING TOTAL	35	109	87%
EXTERIOR			
4 TOPS	4	16	
EXTERIOR DINING TOTAL	4	16	13%
BUILDING TOTAL	**39**	**125**	

ACCESSIBILITY REQUIREMENTS:

125 SEATING
REQUIRED: 5% TOTAL SEATING (6 SEATS)
PROVIDED: 19 ACCESSIBLE TABLES INTERIOR
4 ACCESSIBLE TABLES EXTERIOR



1 FURNISHING AND FIXTURE PLAN
SCALE: 1/4" = 1'-0"

BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVENUE SOUTH
KENT, WA 98032
(425)251-6222
(425)251-8782 FAX
CIVIL ENGINEERING, LAND PLANNING, SURVEYING, ENVIRONMENTAL SERVICES

NO.	DATE	REVISION DESCRIPTION

SEAL: STATE OF CALIFORNIA — DANIEL BRIAN GOALWIN — C-18865 — REN. 6/30/21 — LICENSED ARCHITECT

CLIENT:
SATER OIL GROUP, INC.
683 CLIFFSIDE DRIVE SAN
DIMAS, CA 91773
909-293-7588

DEVELOPMENT INFORMATION:
STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:
SWC CHILDS AVE & PARSONS ST
MERCED, CALIFORNIA

DESIGNED BY:
CHECKED BY:
DRAWN BY:
VERSION: - - PROJECT NO: 17655

DRAWING TITLE:
FURNISHING & FIXTURE PLAN

SHEET NO:
A-141

GENERAL NOTES

1. G.C. TO COORDINATE WITH MILLWORKER FOR LOCATION OF BLOCKING AS REQUIRED.
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FURNISHINGS SCHEDULE

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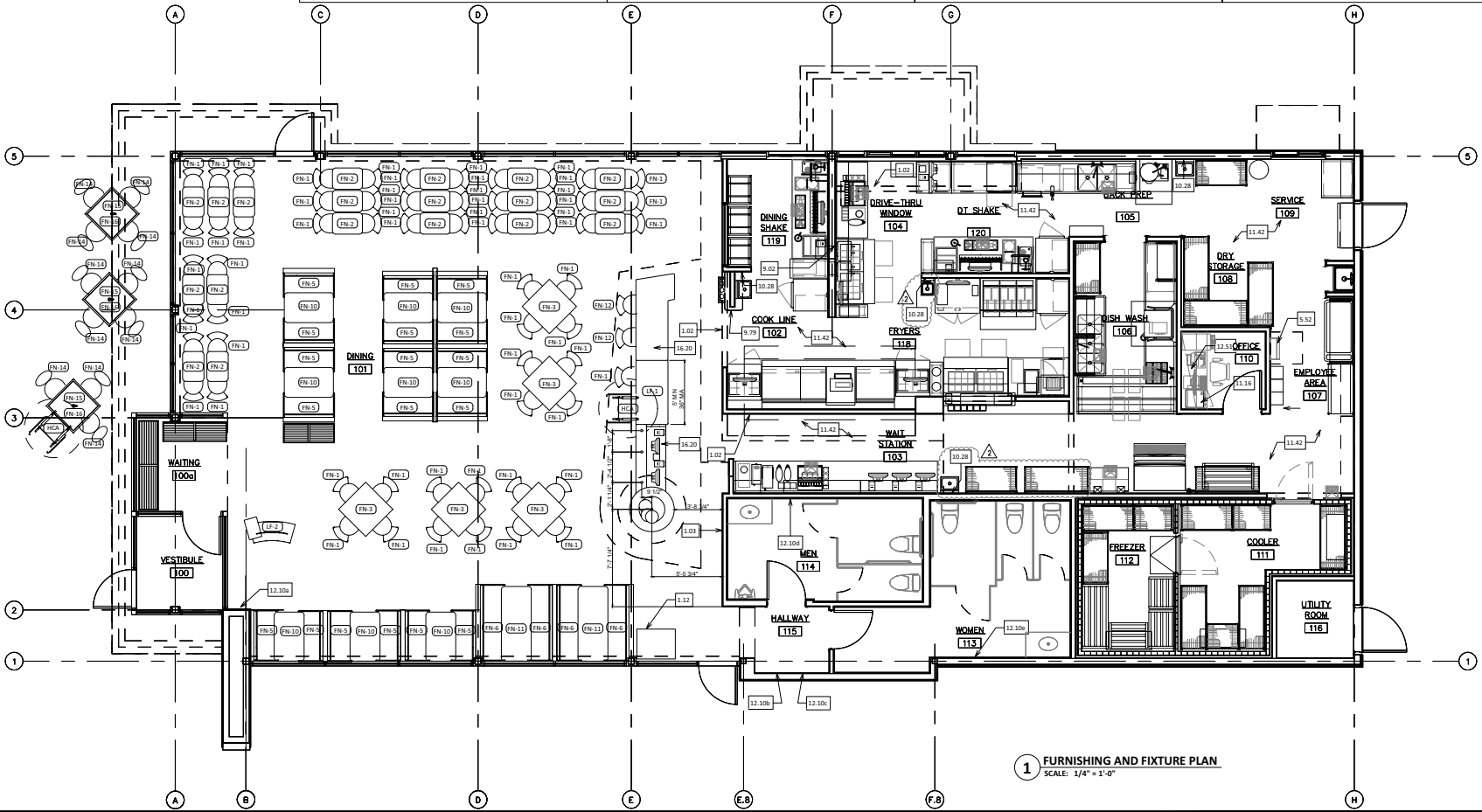
LF-1	COUNTER	
LF-2	HOSTESS BOOTH	
LF-3	COUNTERTOP @ 42" A.F.F.	

SEATING CAPACITIES

TYPES	PARTIES	SEATS	PERCENTAGE
INTERIOR			
2 TOPS	19	38	
4 TOPS	5	20	
SMALL BOOTH	9	36	
LARGE BOOTH	2	12	
COUNTER	1	4	
INTERIOR DINING TOTAL	36	110	64%
EXTERIOR			
4 TOPS	10	40	
EXTERIOR DINING TOTAL	10	40	36%
BUILDING TOTAL	**4**	**150**	

ACCESSIBILITY REQUIREMENTS:

150 SEATING
REQUIRED: 5% TOTAL SEATING (8 SEATS)
PROVIDED: 6 ACCESSIBLE TABLES INTERIOR
10 ACCESSIBLE TABLES EXTERIOR



1 FURNISHING AND FIXTURE PLAN
SCALE: 1/4" = 1'-0"

BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVENUE SOUTH
KENT, WA 98032
(425)251-6222
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CIVIL ENGINEERING, LAND PLANNING, SURVEYING, ENVIRONMENTAL SERVICES

NO.	DATE	REVISION DESCRIPTION
2	11.15.16	HEALTH DEPT REVIEW

SEAL: STATE OF CALIFORNIA — DANIEL BRIAN GOALWIN — C-18865 — REN. 12/31/17 — LICENSED ARCHITECT

CLIENT:
SATER OIL GROUP, INC.
683 CLIFFSIDE DRIVE SAN
DIMAS, CA 91773
909-293-7588

DEVELOPMENT INFORMATION:
STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:
77 SOUTH PARSONS ST.
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DRAWN BY:
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PROJECT NO: 17655

DRAWING TITLE:
FURNISHING & FIXTURE PLAN

SHEET NO:
A-141

GENERAL NOTES

1. PROVIDE LEVEL ROOF CURB FOR ALL MECHANICAL EQUIPMENT
2. CRICKET ALL AREAS WHERE WATER FLOW IS INTERRUPTED - MINIMUM SLOPE FOR CRICKETS 1/2" PER FOOT
3. REFER TO MECHANICAL DRAWINGS FOR ALL ROOF TOP MOUNTED EQUIPMENT LOCATIONS & SPECIFICATIONS
4. REFER TO STRUCTURAL DRAWINGS FOR EXACT ROOF TRUSS AND BLOCKING LAYOUT
5. REFER TO PLUMBING, MECHANICAL & ELECTRICAL DRAWINGS FOR ANY ADDITIONAL ROOF PENETRATIONS
6. ROOFING CONTRACTOR TO VERIFY ROOF WALK PAD LOCATIONS AND PROVIDE ARCHITECT FINAL LAYOUT
7. ROOFING SYSTEM AND ACCESSORIES INSTALLATION AND DETAILS SHALL BE IN STRICT CONFORMANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATIONS. ROOFING CONTRACTOR SHALL COMPLY WITH ALL WARRANTEE REQUIREMENTS SET FORTH BY MANUFACTURER. CONTACT ARCHITECT FOR ANY "NON-STANDARD" DETAILS
8. REFER TO SHEET A-504 FOR TYPICAL ROOF DETAILS.

KEYNOTES

1.01 SIGNAGE UNDER SEPARATE PERMIT. SEE EXTERIOR ELEVATIONS FOR MORE INFORMATION.

5.52 ROOF HATCH. REFER TO DETAIL 10-A-504 FOR MORE INFORMATION

5.55 DIAGONAL TUBE STEEL CANOPY BRACING. SEE STRUCTURAL SHEETS FOR ADDITIONAL INFORMATION

5.56 'AWNEX' 48"X72" METAL CANOPY -#SNS001. COLOR TO MATCH EIFS-1 - SEE SHEET A202 FOR CONTACT INFORMATION.

7.43A SLOPED ARCHITECTURAL PANEL FIN WALL.

7.53 SINGLE-PLY MEMBRANE ROOFING ON RIGID INSULATION OVER PLYWOOD DECKING. ALL INSULATION TO TAPER AS INDICATED TO DRAINS A MINIMUM OF 1/4" PER 1'-0".

7.54 SINGLE-PLY ROOF MEMBRANE OVER 1/2" EXTERIOR GRADE TAPERED PLYWOOD. PLYWOOD TO SLOPE TO DRAINS A MINIMUM OF 1/4" PER 1' - 0".

7.55 OMITTED

7.61 ALUMINUM PARAPET COPING PAINTED SF-2. SEE DETAIL 4-A-504

7.61A ARCHITECTURAL PANEL FEATURE WALL WITH CONTINUOUS SLOPED ALUMINUM PARAPET COPING TO MATCH ARCHITECTURAL PANEL

7.76 BUILT-UP RIGID INSULATION CRICKETS. SLOPE A MINIMUM OF 1/4" PER 1'-0".

7.77 24" X 24" ROOF WALKING PADS PROVIDED BY THE ROOFING CONTRACTOR. ACTUAL LAYOUT MAY VARY TO ALLOW FOR REQUIRED UNIT ACCESS.

15.11 ROOF DRAIN TO INTERGRAL DOWNSPOUT. JOSAM 21506 CAST IRON ROOF DRAIN; LARGE SUMP, CLAMP RING & POLY DOME. DOWNSPOUT TO CONNECT TO STORM SEWER BELOW. REFER TO PLUMBING AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.

15.12 OVERFLOW DRAIN TO BE NO MORE THAN 2" HIGHER THAN MAIN ROOF DRAIN. SEE DETAIL 9-A-504 AND PLUMBING DRAWINGS FOR MORE INFORMATION. REFER TO EXTERIOR ELEVATION SHEET A-201 FOR HEIGHT AND LOCATION. VERIFY EXACT LOCATION AND HEIGHT WITH STRUCTURE.

15.13 CANOPY ROOF DRAIN TO EXTERNAL DOWNSPOUT BELOW. DOWNSPOUT TO TIE IN TO STORM SEWER OR PLANTING AREA DO NOT DRAIN TO CONCRETE WALK. DOWNSPOUT TO BE PAINTED TO MATCH STOREFRONT SYSTEM AND DRAIN TO GRADE. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

15.14 VENT THRU ROOF. VERIFY EXACT LOCATIONS WITH MEP DRAWINGS. SEE DETAILS ON SHEET A-504.

15.61 ROOF TOP CONDENSER - SEE KITCHEN AND MEP DRAWINGS FOR MORE INFORMATION.

15.70 MAKE-UP AIR UNIT. REF MECHANICAL.

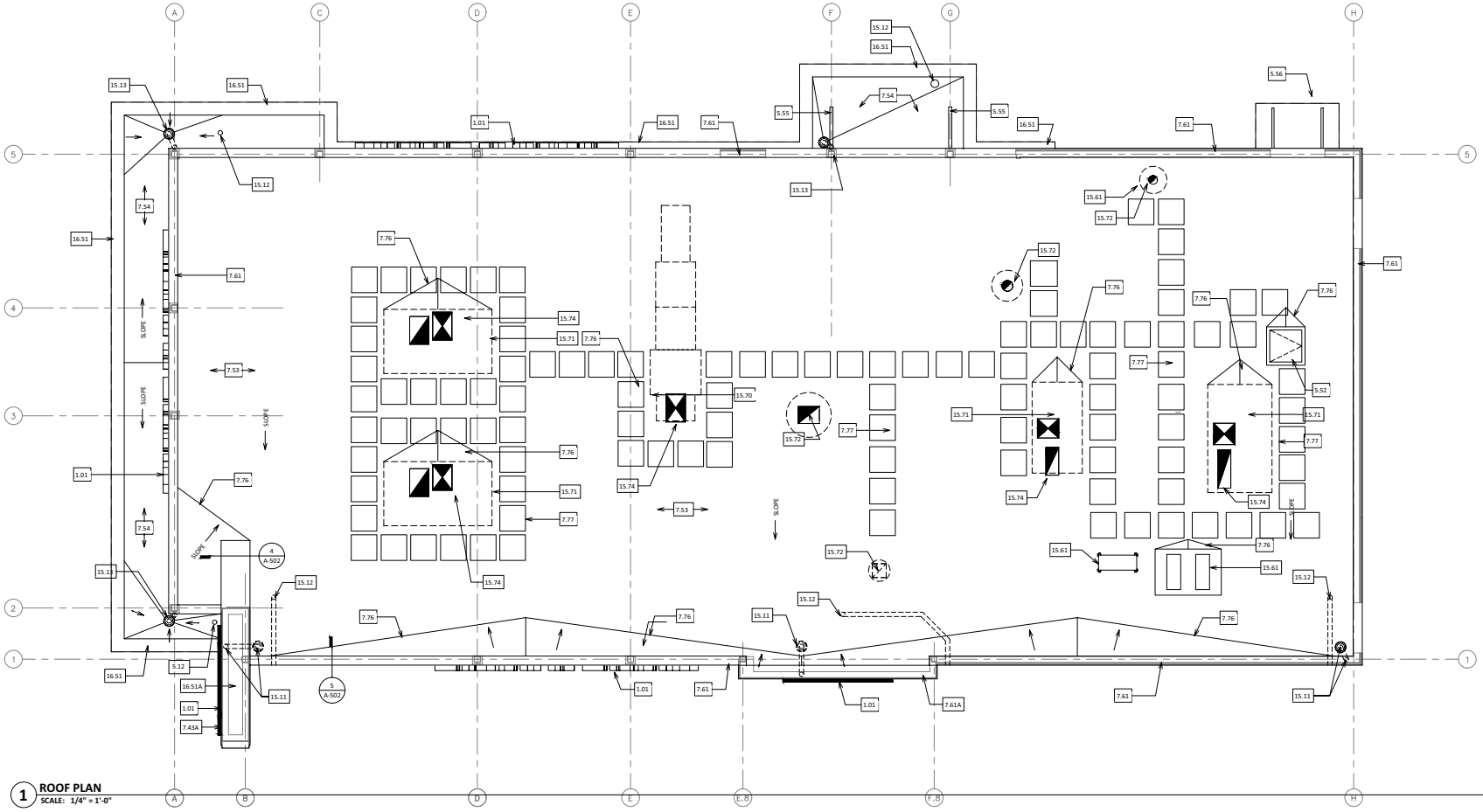
15.71 ROOFTOP UNIT. REF MECHANCIAL.

15.72 EXHAUST FAN. REF MECHANICAL.

15.74 DUCT DROP SYMBOL INDICATES DUCT CONFIGURATION TRANSITIONED BELOW ROOF DECK DOWN BETWEEN TRUSSES.

16.51 LIGHT BOX TO BE PROVIDED BY SIGN MANUFACTURER.

16.51A CONTINUOUS SLOPING LIGHT BOX ALONG TOP OF ARCHITECTURAL FIN WALL.



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

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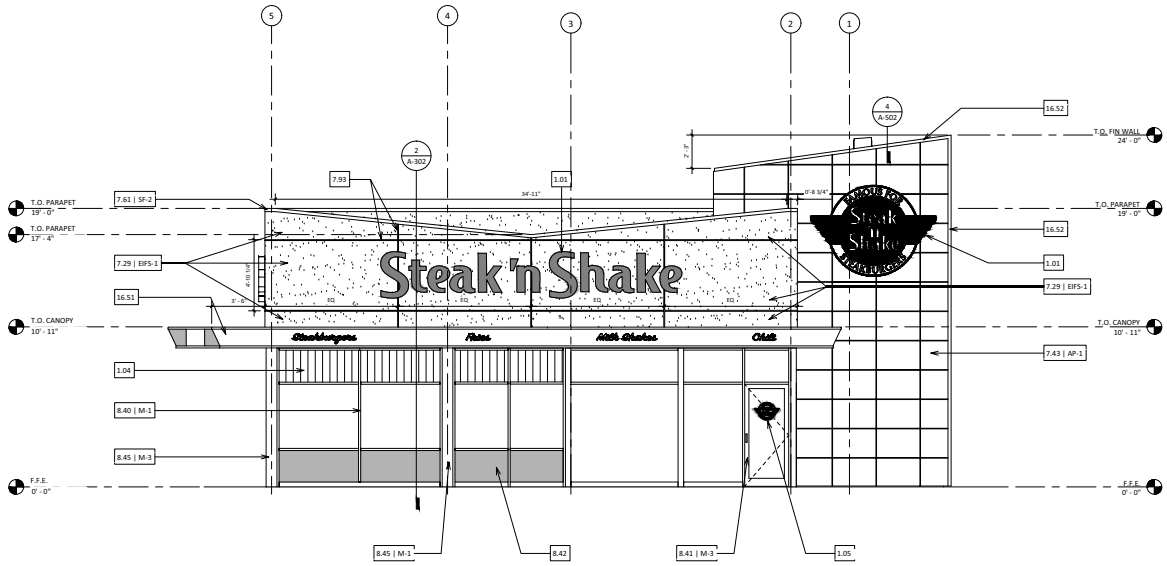
ROOF PLAN AND NOTES

SHEET NO:
A-151



2 FRONT EXTERIOR ELEVATION
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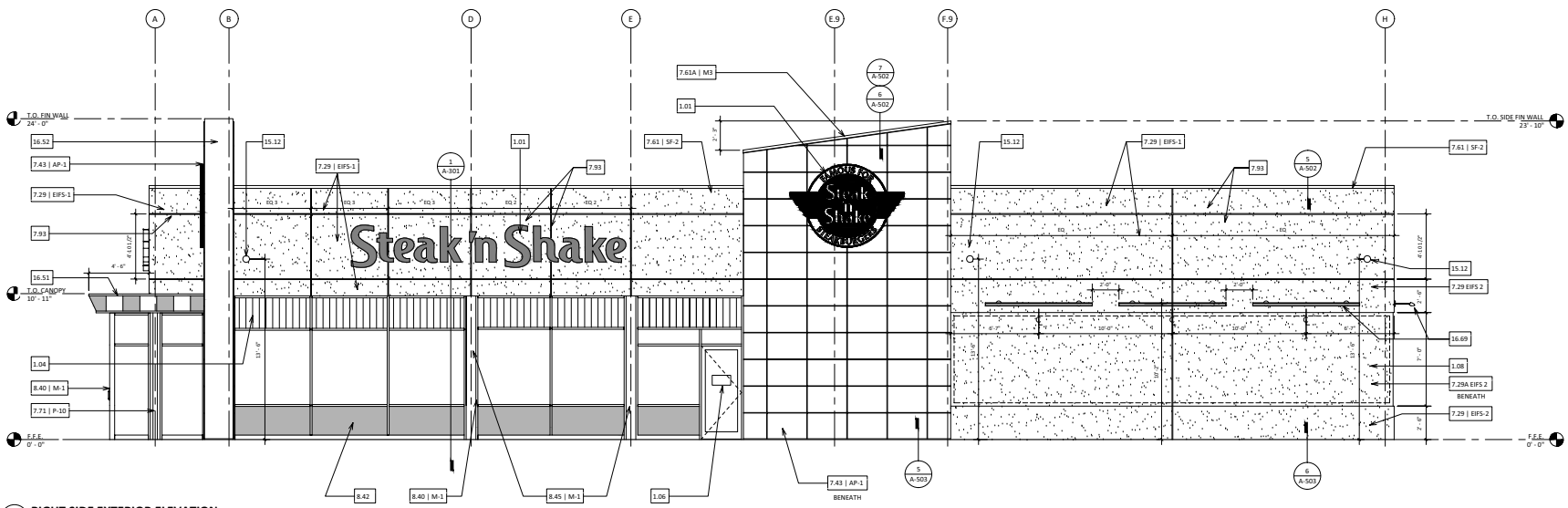

1 RIGHT SIDE EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

EXTERIOR FINISH SCHEDULE

PAINT		SPECIAL FINISH	
P-4	"DEEP SPACE" WALL PAINT	SF-2	TO MATCH BM "SUPER WHITE"
P-10	BRUSHED ALUMINUM PAINT		
TILE		**ARCHITECTURAL PANEL**	
	NOT USED	AP-1	ARCHITECTURAL PANEL TO MATCH PMS 485C
EIFS		**METAL**	
EIFS-1	TO MATCH BM "LINEN WHITE"	M-1	STAINLESS ALUMINUM STANDARD FINISH
EIFS-2	TO MATCH BM "DEEP SPACE"	M-3	VALSPAR FINISH TO MATCH AP-1
EIFS-3	TO MATCH BM "BLACK"		

KEYNOTES

1.01 ILLUMINATED SIGNAGE ON FACE OF BUILDING TO BE PROVIDED BY SIGNAGE VENDOR UNDER SEPARATE PERMIT. G.C. TO COORDINATE INSTALLATIONS AND PROVIDE POWER AS REQUIRED. SEE ELECTRICAL SHEETS FOR MORE INFORMATION.

1.04 GRAPHIC STRIPE APPLICATION ON INSIDE FACE OF GLAZING. COORDINATE INSTALLATION WITH GRAPHIC VENDOR.

1.05 DOOR VINYL. G.C. TO COORDINATE WITH GRAPHIC VENDOR.

1.06 DOOR GRAPHIC DIRECTING PATRONS TO FRONT ENTRANCE BY GRAPHIC VENDOR. G.C. TO COORDINATE.

1.08 ART WORK BY OWNER.

7.29 2" EXTERIOR INSULATING FINISHING SYSTEM. FINISH AS INDICATED AND PER SPECIFICATIONS.

7.29A 1" EXTERIOR INSULATION AND FINISHING SYSTEM (EIFS).

7.43 ARCHITECTURAL WALL PANEL SYSTEM TO BE INSTALLED PER MANUFACTURERS INSTALLATION INSTRUCTIONS WITH 1/2" REVEALS AS INDICATED. PANELS TO BE FURNISHED AND INSTALLED BY SIGN VENDOR

7.61 ALUMINUM PARAPET COPING PAINTED SF-2. SEE DETAIL 4-A-504

7.61A ALUMINUM COPING. PAINT TO MATCH M-3.

7.71 METAL DOWNSPOUT TO BE FINISHED P-10.

7.93 3/4" "V" REVEAL IN EIFS. ALIGN WITH MULLIONS, UNLESS DIMENSIONED OTHERWISE

8.40 ALUMINUM STOREFRONT SYSTEM WITH 1" CLEAR INSULATED TEMPERED GLASS U.N.O. FINISH OF SYSTEM INCLUDING 4" METAL BASE TO MATCH M-1.

8.41 ALUMINUM STOREFRONT ENTRANCE DOOR WITH STANDARD PULLS.

8.42 TRANSLUCENT FILM BELOW HORIZONTAL MULLION. G. C. TO FURNISH & INSTALL 3M SCOTCHCAL SPECIAL EFFECTS GRAPHIC FILM 5525-324 SANDBLAST.

8.45 ALUMINUM STOREFRONT SPLIT COLUMN SURROUND WITH M-1 FINISH TO MATCH STOREFRONT SYSTEM.

15.12 OVERFLOW DRAIN FROM MAIN ROOF. JAY R SMITH SQ-9 2039 SPECIAL PURPOSE DOWNSPOUT COVER. COORDINATE EXACT HEIGHT WITH STRUCTURE. SEE PLUMBING PLANS FOR MORE INFORMATION.

16.51 LIGHTBOX SIGNAGE BY SIGN MANUFACTURER. G.C. TO COORDINATE INSTALLATION AND PROVIDE STRUCTURE PER DETAILS.

16.52 CONTINUOUS LIGHT BOX AT END OF FIN WALL TO BE FURNISHED AND INSTALLED BY SIGN VENDOR. SEE SECTIONS AND DETAILS FOR MORE INFORMATION.

16.69 EXTERIOR LIGHTING FIXTURE LOCATED TO EVENLY ILLUMINATE GRAPHIC BELOW. SEE REFLECTED CEILING PLAN AND ELECTRICAL SHEETS FOR MORE INFORMATION.

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NO.	DATE	REVISION DESCRIPTION

SEAL: STATE OF CALIFORNIA — DANIEL BRIAN GOALWIN — C-18865 — LICENSED ARCHITECT

CLIENT:
SATER OIL GROUP, INC.
683 CLIFFSIDE DRIVE SAN
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909-293-7588

DEVELOPMENT INFORMATION:
STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:
SWC CHILDS AVE & PARSONS ST
MERCED, CALIFORNIA

DESIGNED BY:
CHECKED BY:
DRAWN BY:
VERSION: - -
PROJECT NO: 17655

DRAWING TITLE:
EXTERIOR ELEVATIONS

SHEET NO:
A-201

3750

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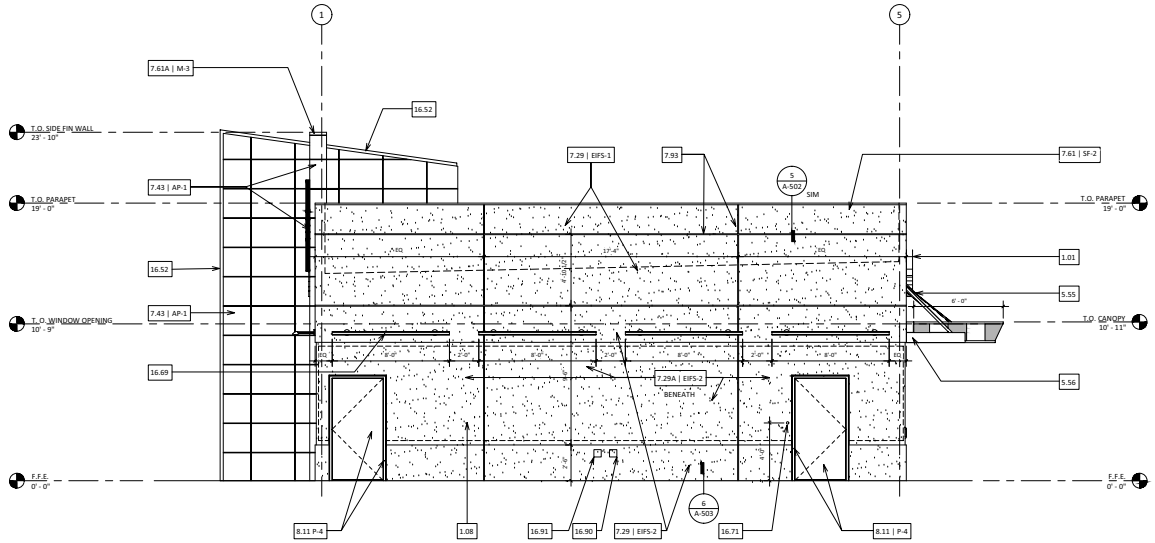


2 REAR EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

EXTERIOR FINISH SCHEDULE

PAINT		SPECIAL FINISH	
P-4	"DEEP SPACE" WALL PAINT	SF-2	TO MATCH BM "SUPER WHITE"
P-10	BRUSHED ALUMINUM PAINT		
TILE		**ARCHITECTURAL PANEL**	
	NOT USED	AP-1	ARCHITECTURAL PANEL TO MATCH PMS 485C
EIFS		**METAL**	
EIFS-1	TO MATCH BM "LINEN WHITE"	M-1	STAINLESS ALUMINUM STANDARD FINISH
EIFS-2	TO MATCH BM "DEEP SPACE"	M-3	VALSPAR FINISH TO MATCH AP-1
EIFS-3	TO MATCH BM "BLACK"		

KEYNOTES

1.01 ILLUMINATED SIGNAGE ON FACE OF BUILDING TO BE PROVIDED BY SIGNAGE VENDOR UNDER SEPARATE PERMIT. G.C. TO COORDINATE INSTALLATIONS AND PROVIDE POWER AS REQUIRED. SEE ELECTRICAL SHEETS FOR MORE INFORMATION.

1.04 GRAPHIC STRIPE APPLICATION ON INSIDE FACE OF GLAZING. COORDINATE INSTALLATION WITH GRAPHIC VENDOR.

1.06 DOOR GRAPHIC DIRECTING PATRONS TO FRONT ENTRANCE BY GRAPHIC VENDOR. G.C. TO COORDINATE.

1.07 TRANSPARENT RED WINDOW VINYL APPLICATION. G.C. TO COORDINATE INSTALLATION WITH GRAPHIC VENDOR.

1.08 ART WORK BY OWNER.

5.55 DRIVE THRU CANOPY SUPPORT. FINISH TO MATCH EIFS-1. SEE STRUCTURAL DRAWINGS FOR ADDTIONAL INFORMATION.

5.56 'AWNEX' 48"X72" METAL CANOPY -#SNS001 COLOR TO MATCH EIFS-1 - CONTACT: AMY BLANTON OF AWNEX, INC. 260 VALLEY STREET SUITE 100, BALL GROUND, GA 30107 PH: 770-704-7140 EXT. 109 amy.blanton@awnexinc.com

7.29 2" EXTERIOR INSULATING FINISHING SYSTEM. FINISH AS INDICATED AND PER SPECIFICATIONS.

7.29A 1" EXTERIOR INSULATION AND FINISHING SYSTEM (EIFS).

7.43 ARCHITECTURAL WALL PANEL SYSTEM TO BE INSTALLED PER MANUFACTURERS INSTALLATION INSTRUCTIONS WITH 1/2" REVEALS AS INDICATED. PANELS TO BE FURNISHED AND INSTALLED BY SIGN VENDOR.

7.61 ALUMINUM PARAPET COPING PAINTED SF-2. SEE DETAIL 4-A-504

7.61A ALUMINUM COPING. PAINT TO MATCH M-3.

7.71 METAL DOWNSPOUT TO BE FINISHED P-10.

7.93 3/4" ½" REVEAL IN EIFS. ALIGN WITH MULLIONS, UNLESS DIMENSIONED OTHERWISE.

8.11 DOOR AND FRAME.

8.40 ALUMINUM STOREFRONT SYSTEM WITH 1" CLEAR INSULATED TEMPERED GLASS U.N.O. FINISH OF SYSTEM, INCLUDING 4" METAL BASE, TO MATCH M-1.

8.41 ALUMINUM STOREFRONT ENTRANCE DOOR WITH STANDARD PULL.

8.42 TRANSLUCENT FILM BELOW LOWER HORIZONTAL MULLION. GC TO FURNISH & INSTALL 3M SCOTCHCAL SPECIAL EFFECTS FILM 5525-324 SANDBLAST. CONTACT 3M DISTRIBUTORS FOR ORDERING: SELLERS 800-654-8405 OR GRIMCO 800-542-9941.

8.43 DRIVE THRU WINDOW (READY ACCESS MODEL 275, MANUAL OPEN/SELF CLOSING, 47 1/2" W X 43 1/2" H WITH 19" W X 36"H OPENING). G.C. TO COORDINATE INSTALLATION.

8.45 ALUMINUM STOREFRONT SPLIT COLUMN SURROUND WITH M-1 FINISH TO MATCH STOREFRONT SYSTEM.

16.51 LIGHTBOX SIGNAGE BY SIGN MANUFACTURER. G.C. TO COORDINATE INSTALLATION AND PROVIDE STRUCTURE PER DETAILS.

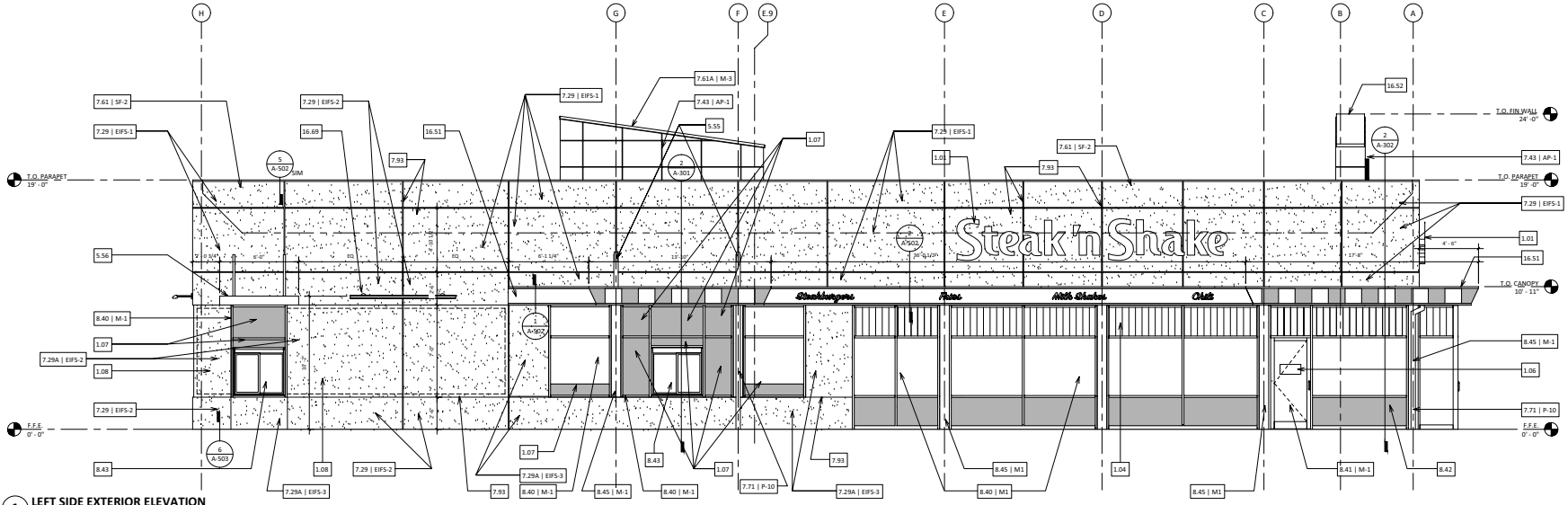
16.52 CONTINUOUS LIGHT BOX AT END OF FIN WALL TO BE FURNISHED AND INSTALLED BY SIGN VENDOR. SEE SECTIONS AND DETAILS FOR MORE INFORMATION.

16.69 EXTERIOR LIGHTING FIXTURE LOCATED TO EVENLY ILLUMINATE GRAPHIC BELOW. SEE REFLECTED CEILING PLAN AND ELECTRICAL SHEETS FOR MORE INFORMATION.

16.71 DOOR BELL BUTTON. SEE ELECTRICAL SHEETS FOR MORE INFORMATION.

16.90 USED GREASE NOZZLE

16.91 CO^2 NOZZLE



1 LEFT SIDE EXTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

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NO.	DATE	REVISION DESCRIPTION

SEAL:

STATE OF CALIFORNIA
DANIEL BRIAN GOALWIN
C-18665
REN. 6/30/21
LICENSED ARCHITECT

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DEVELOPMENT INFORMATION:
STEAK n' SHAKE
3,750 PROTO

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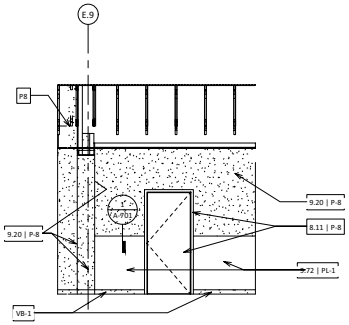
MERCED, CALIFORNIA

DESIGNED BY:
CHECKED BY:
DRAWN BY:
VERSION: - -
PROJECT NO: 17655

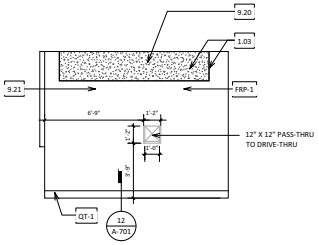
DRAWING TITLE:
EXTERIOR ELEVATIONS

SHEET NO:
A-202

3750



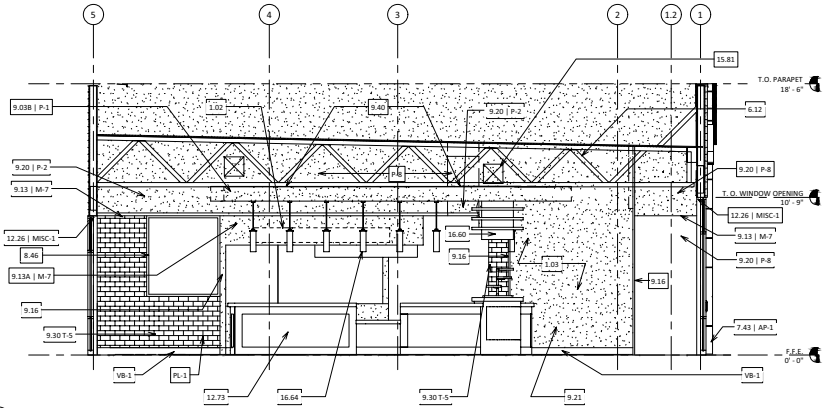
5 **INTERIOR ELEVATION**
SCALE: 1/4" = 1'-0"



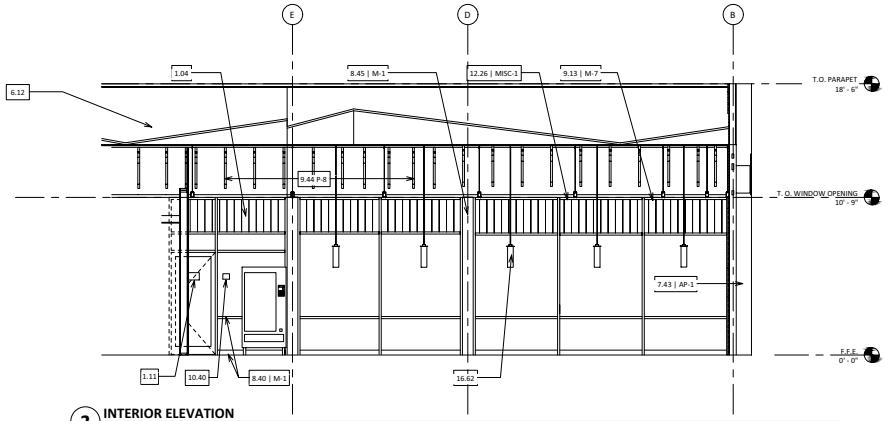
6 **INTERIOR ELEVATION**
SCALE: 1/4" = 1'-0"

KEYNOTES

1.02	GRAPHIC ON METAL FACE BY GRAPHIC VENDOR
1.03	GRAPHIC FOCAL. INSTALLED BY G.C. COORDINATE INSTALLATION WITH GRAPHIC VENDOR
1.04	GRAPHIC STRIPE APPLICATION ON INSIDE FACE OF GLAZING. COORDINATE INSTALLATION WITH GRAPHIC VENDOR.
1.05	INTERIOR LIFESTYLE GRAPHICS. REFER TO SIGN AND GRAPHICS DESIGN GUIDELINES FOR ADDITIONAL INFORMATION.
1.09	WALLPAPER - TBD.
1.11	"EXIT ONLY" SIGN - LEGIBLE FROM INTERIOR AND EXTERIOR OF BUILDING. MOUNT AT 5'-6" A.F.F.
6.12	EXPOSED WOOD TRUSSES WITH P-8 FINISH TYPICAL. G.C. TO COORDINATE WITH TRUSS MANUFACTURER TO VERIFY HIGH WOOD QUALITY FOR TRUSSES IN THIS AREA AND REMOVE ANY NAILS THAT PROTRUDE THROUGH DECKING THAT MISSED THEIR MARK AND ARE NOT FUNCTIONAL PRIOR TO PAINTING. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
7.43	ARCHITECTURAL PANEL FIN. WALL.
8.11	DOOR AND FRAME
8.40	ALUMINUM STOREFRONT SYSTEM WITH 1" CLEAR INSULATED GLASS U.N.O. FINISH OF SYSTEM, INCLUDING 4" METAL BASE, TO MATCH M-1.
8.45	ALUMINUM STOREFRONT SPLIT COLUMN SURROUND WITH M-1 FINISH TO MATCH STOREFRONT SYSTEM
8.46	ALUMINUM STOREFRONT SYSTEM WITH CLEAR TEMPERED GLASS.
9.02A	OPENING IN WALL - SHAKE EXPO PASS THROUGH. G.C. TO COORDINATE HEIGHT WITH KITCHEN COUNTER
9.03A	INTERIOR CEILING SOFFIT - FACE OF SOFFIT TO BE PAINTED TO DECK
9.03B	INTERIOR CEILING SOFFIT - SOFFIT RETURN TO BOTTOM OF JOISTS TO BE PAINTED P-1
9.13	2" X 1/8" METAL TRIM ON FINISH EDGE OF SOFFIT
9.13A	SOFFIT WITH M-7 METAL FACE. METAL TO WRAP UNDER SOFFIT AND RETURN INTO KITCHEN ABOVE HALF WALL. G.C. TO COORDINATE WRAPPING OF HOODS IN KITCHEN AREA WITH KITCHEN VENDOR.
9.14	STAINLESS STEEL CAP ON WALL BY KEC.
9.16	STAINLESS STEEL END CAP BY KEC.
9.20	5/8" GYPSUM BOARD
9.21	5/8" GYPSUM BOARD ON 1/2" PLYWOOD AT SHEAR WALL
9.30	TILE ON WALL BEHIND COUNTER
9.40	RUN L-BEAD ALONG TOP EDGE OF CEILING SOFFIT.
9.44	ALL ITEMS ABOVE THE TRIM LINE AND IN THE TRUSSES TO BE PAINTED P-8 UNLESS OTHERWISE NOT PERMITTED BY CODE, INCLUDING DUCTWORK.
9.72	PANEL TO RUN ALONG WALL AND ALIGN W/ TOP OF BOOTHS. TOP EDGE TO BE FINISHED W/ M-1 TRIM. SEE DETAIL 1/A701.
10.40	HANDICAP ACCESSIBLE EXIT SIGN MOUNTED AT 5'-0" A.F.F. TO CENTERLINE ON WINDOW AT STRIKE SIDE OF DOOR.
12.10A	FRAMED WALL GRAPHIC BY STEAK 'N SHAKE MARKETING: "FAMOUS FOR STEAKBURGERS".
12.10B	FRAMED WALL GRAPHIC BY STEAK 'N SHAKE MARKETING: "IT'S A MEAL".
12.10C	FRAMED WALL GRAPHIC BY STEAK 'N SHAKE MARKETING: "COOKED TO ORDER".
12.26	SURFACE MOUNTED SOLAR SHADE AT ALL WINDOWS. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
12.73	LF-1 FRONT COUNTER. G.C. TO COORDINATE INSTALLATION WITH FIXTURE VENDOR. FIXTURE VENDOR TO PROVIDE AND INSTALL TILE. DO NOT INCLUDE IN TILE BIDS.
15.31	FIRE EXTINGUISHER. BOTTOM OF EXTINGUISHER TO BE 26" A.F.F.
15.73	EXPOSED ISLAND HOOD IN KITCHEN WITH M-1 FINISH AND APPLIED GRAPHIC. COORDINATE INSTALLATION WITH KITCHEN VENDOR.
15.81	ALL DUCTWORK TO GO THROUGH AND BETWEEN TRUSSES. PAINT P-8. COORDINATE WITH MECHANICAL AND STRUCTURAL DRAWINGS
16.60	CUSTOM LIGHT FIXTURE MOUNTED @ 8'-0" A.F.F. REFER TO A121 FOR EXACT LOCATION.
16.62	PENDANT MOUNTED FIXTURE CENTERED OVER TABLE AT 6'-0" A.F.F.
16.64	PENDANT MOUNTED FIXTURES CENTERED OVER FRONT COUNTER AT 7'-0" AFF. REFER TO A121 FOR EXACT LOCATION.



4 **INTERIOR ELEVATION**
SCALE: 1/4" = 1'-0"



2 **INTERIOR ELEVATION**
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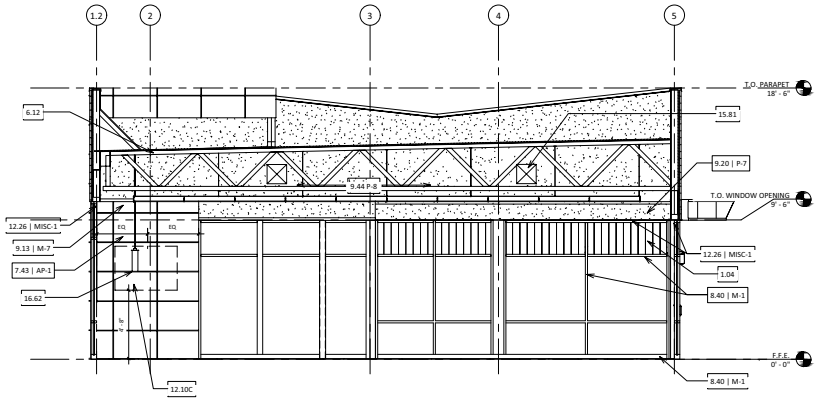
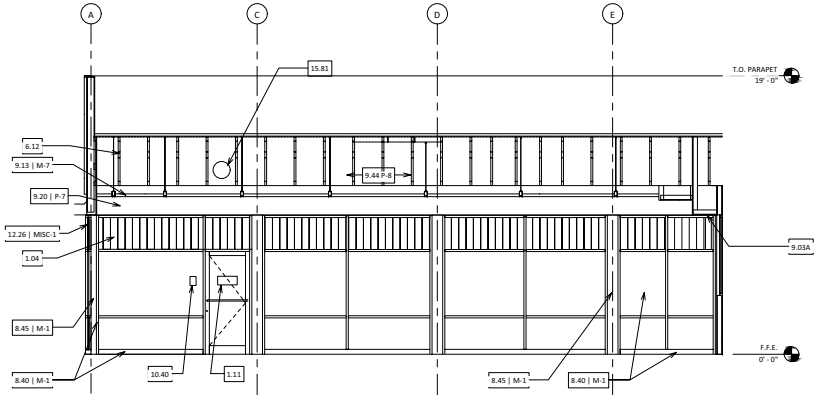


3 **INTERIOR ELEVATION**
SCALE: 1/4" = 1'-0"



1 **INTERIOR ELEVATION**
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NO.	DATE	REVISION DESCRIPTION

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C-16865
REN: 6/30/21
LICENSED ARCHITECT

CLIENT:
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909-293-7588

DEVELOPMENT INFORMATION:
STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:
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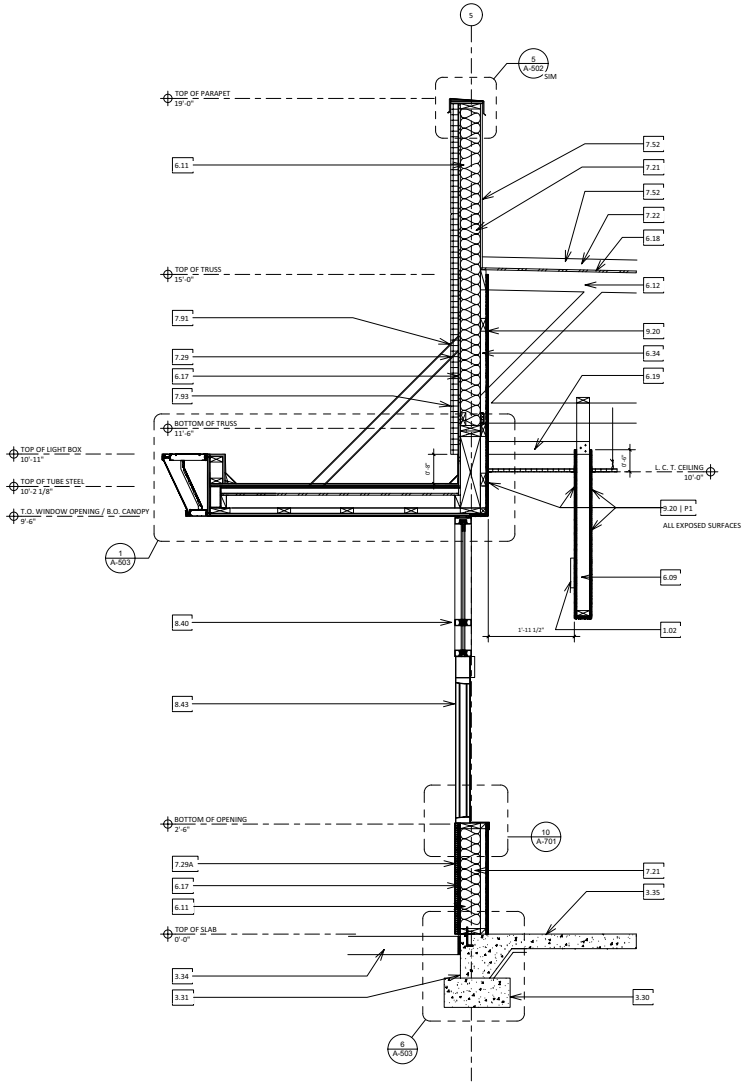
MERCED, CALIFORNIA

DESIGNED BY:
CHECKED BY:
DRAWN BY:
VERSION: - -
PROJECT NO: 17655

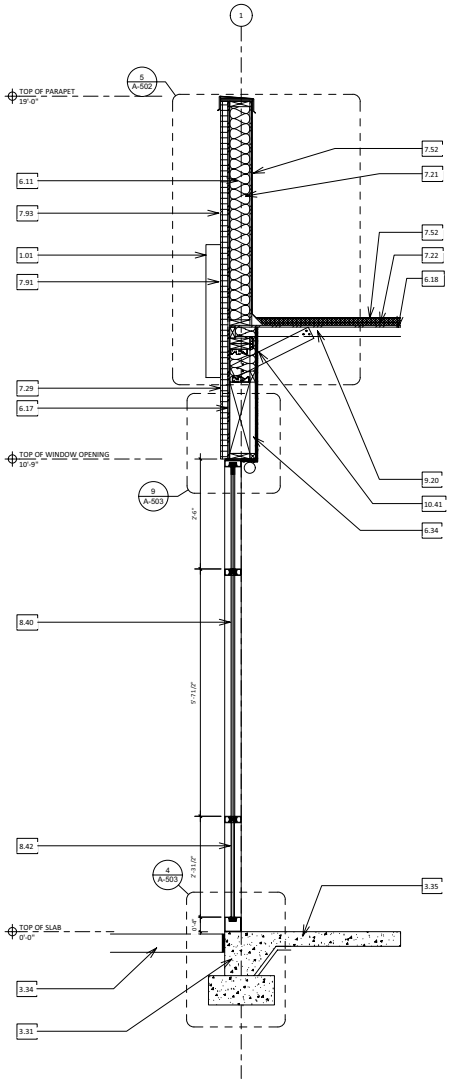
DRAWING TITLE:
INTERIOR ELEVATIONS

SHEET NO:
A-211



2 SECTION AT DRIVE-THRU

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



1 SECTION AT STOREFROND

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

GENERAL NOTES

1. TRUSSES IN DINING ROOM ARE TO BE EXPOSED AND PAINTED. GENERAL CONTRACTOR TO COORDINATE WITH TRUSS MANUFACTURER TO VERIFY HIGH QUALITY WOOD FOR TRUSSES IN THIS AREA AND REMOVE ANY NAILS THAT PROTRUDE THROUGH THE ROOF DECKING THAT MISSED THEIR MARK AND ARE NOT FUNCTIONAL.

KEYNOTES

1.01	SIGNAGE UNDER SEPARATE PERMIT. GENERAL CONTRACTOR TO COORDINATE INSTALLATION AND VERIFY POWER REQUIREMENTS.
1.02	GRAPHIC MESSAGE ON FACE OF SOFFIT. COORDINATE LOCATION WITH GRAPHIC VENDOR.
3.30	FOOTING. REF STRUCTURAL.
3.31	FOUNDATION WALL. REF STRUCTURAL.
3.34	EXTERIOR CONCRETE PAVING. REF CIVIL.
3.35	CONCRETE SLAB. REF STRUCTURAL.
6.09	2x4 WOOD STUDS @ 16" O.C.
6.11	2x6 WOOD STUDS @ 16" O.C.
6.12	WOOD TRUSS. REF STRUCTURAL.
6.17	1/2" EXTERIOR-GRADE PLYWOOD WALL SHEATHING.
6.18	1/2" EXTERIOR-GRADE PLYWOOD ROOF DECK.
6.19	2x4 WOOD STUD BRACING.
6.33	2x4 WOOD STUD KICKER AT EACH STUD. REF STRUCTURAL.
6.34	2x4 WOOD FURRING.
7.21	R-19 BATT INSULATION.
7.22	RIGID INSULATION.
7.25	MOISTURE BARRIER.
7.29	2" EXTERIOR INSULATION AND FINISHING SYSTEM (EIFS).
7.29A	1" EXTERIOR INSULATION AND FINISHING SYSTEM (EIFS).
7.52	SINGLE-PLY ROOF MEMBRANE. LAP OVER TOP PLATE AND EXTEND DOWN PARAPET WALL. FLASH PER MANUFACTURERS INSTRUCTIONS.
7.91	PROVIDE BACKER ROD & SEALANT AROUND PERIMETER OF PENETRATION ELEMENT.
7.93	3/4" "V" REVEAL IN EIFS.
8.40	ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" INSULATED TEMPERED GLASS.
8.42	TRANSLUCENT FILM BELOW HORIZONTAL MULLION
8.43	DRIVE THRU WINDOW. GC TO COORDINATE INSTALLATION.
9.20	5/8" GYPSUM BOARD.
10.41	12" x 12" ACCESS PANEL FOR JUNCTION BOX FOR SIGNAGE. GENERAL CONTRACTOR TO COORDINATE LOCATION WITH SIGN MANUFACTURER AND ELECTRICAL.

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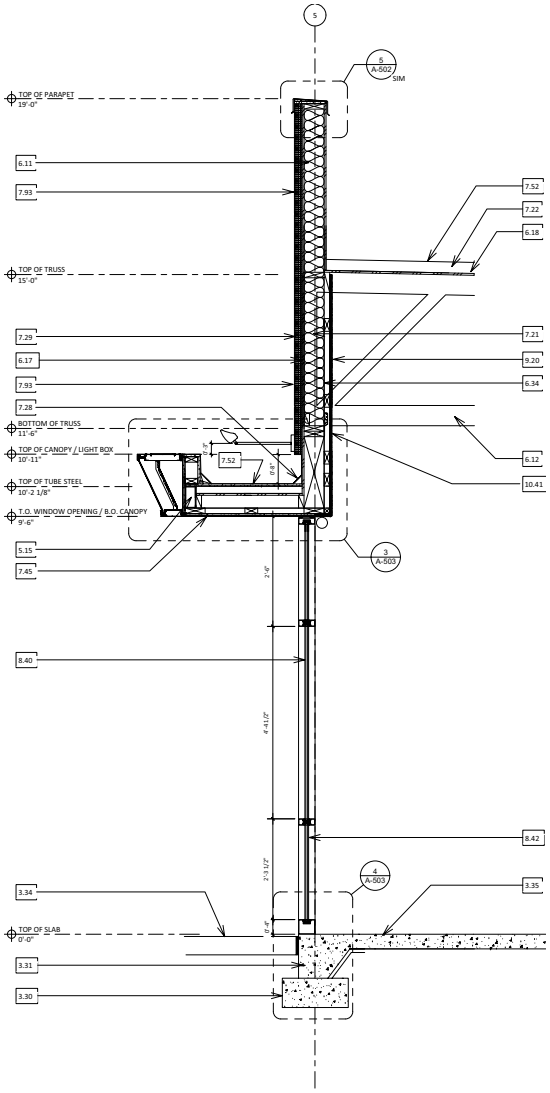
VERSION: - -
PROJECT NO: 17655

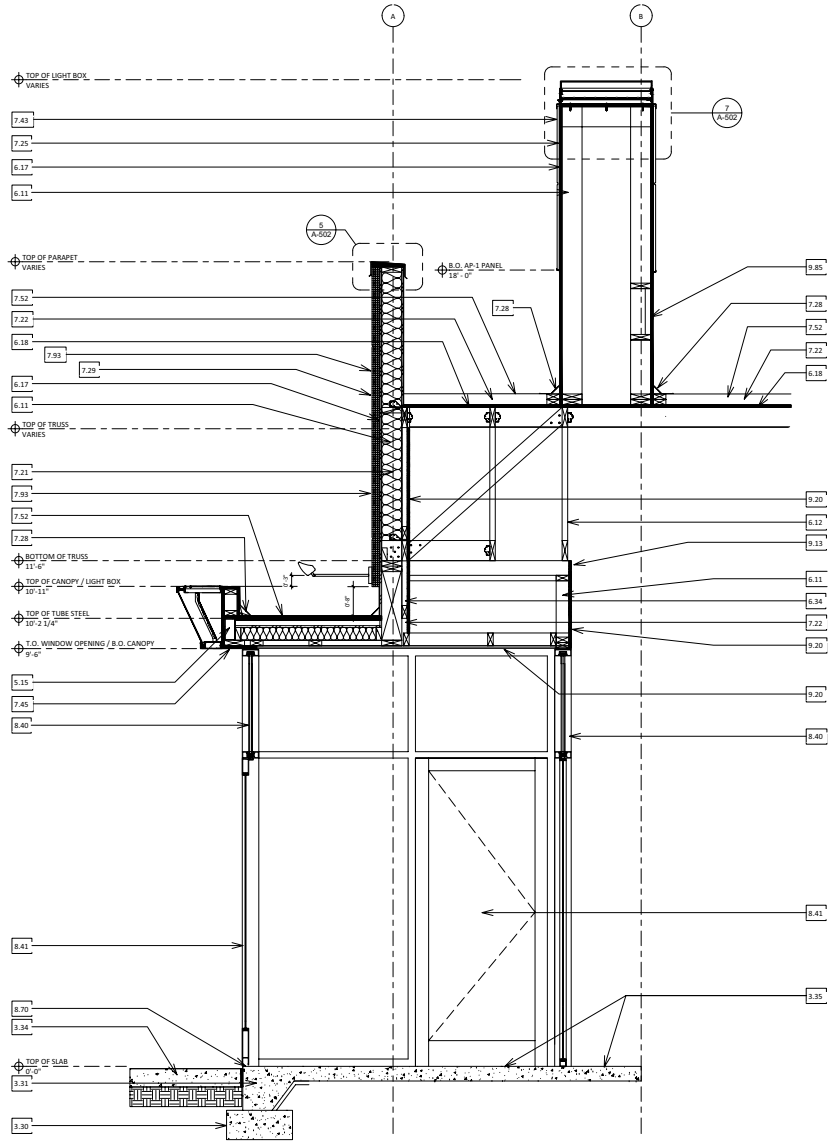
DRAWING TITLE:

EXTERIOR WALL SECTIONS

SHEET NO:

A-301





GENERAL NOTES

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KEYNOTES

2.90	EXTERIOR GRADE. REF CIVIL.
3.30	FOOTING. REF STRUCTURAL.
3.31	FOUNDATION WALL. REF STRUCTURAL.
3.34	EXTERIOR CONCRETE PAVING. REF CIVIL.
3.35	CONCRETE SLAB. REF STRUCTURAL.
5.15	STEEL TUBE BEAM. REF STRUCTURAL.
6.11	2x6 WOOD STUDS @ 16" O.C.
6.12	WOOD TRUSS. REF STRUCTURAL.
6.17	1/2" EXTERIOR-GRADE PLYWOOD WALL SHEATHING.
6.18	1/2" EXTERIOR-GRADE PLYWOOD ROOF DECK.
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7.25	MOISTURE BARRIER.
7.28	RIGID INSULATION CANT STRIP.
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7.93	3/4" "V" REVEAL IN EIFS.
8.40	ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" INSULATED TEMPERED GLASS.
8.41	ALUMINUM STOREFRONT ENTRANCE DOOR WITH STANDARD PULL.
8.42	TRANSLUCENT FILM BELOW HORIZONTAL MULLION. G. C. TO FURNISH AND INSTALL 3M SCOTCHCAL SPECIAL EFFECTS GRAPHIC FILM SS25-324 SANDBLAST.
8.70	THRESHOLD
9.13	2" x 1/8" METAL TRIM.
9.20	5/8" GYPSUM BOARD.
9.85	14" X 22" LOUVER. TOP OF LOUVER @ 2' - 9" ABOVE DECK. PAINT WHITE.
10.41	12" X 12" ACCESS PANEL FOR JUNCTION BOX FOR SIGNAGE. GENERAL CONTRACTOR TO COORDINATE LOCATION WITH SIGN MANUFACTURER AND ELECTRICAL.

2 SECTION AT CANOPY / ANGLED LIGHT BOX
SCALE: 3/4" = 1'-0"

1 SECTION AT VESTIBULE
SCALE: 3/4" = 1'-0"

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CIVIL ENGINEERING, LAND PLANNING, SURVEYING, ENVIRONMENTAL SERVICES

NO.	DATE	REVISION DESCRIPTION

SEAL:

STATE OF CALIFORNIA
DANIEL BRIAN GOALWIN
C-18865
REG. NO. 9/30/21
LICENSED ARCHITECT

CLIENT:
SATER OIL GROUP, INC.
683 CLIFFSIDE DRIVE SAN
DIMAS, CA 91773
909-293-7588

DEVELOPMENT INFORMATION:
STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:
SWC CHILDS AVE & PARSONS ST
MERCED, CALIFORNIA

DESIGNED BY:
CHECKED BY:
DRAWN BY:
VERSION: -
PROJECT NO: 17655

DRAWING TITLE:
EXTERIOR WALL SECTIONS

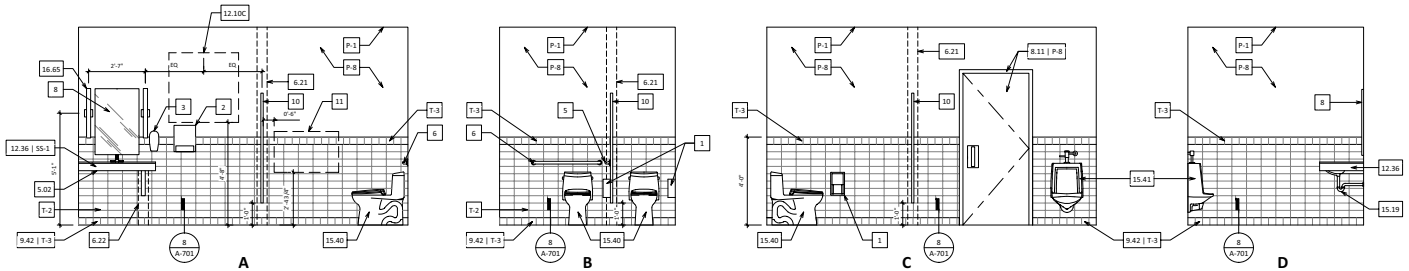
SHEET NO:
A-302

GENERAL NOTES

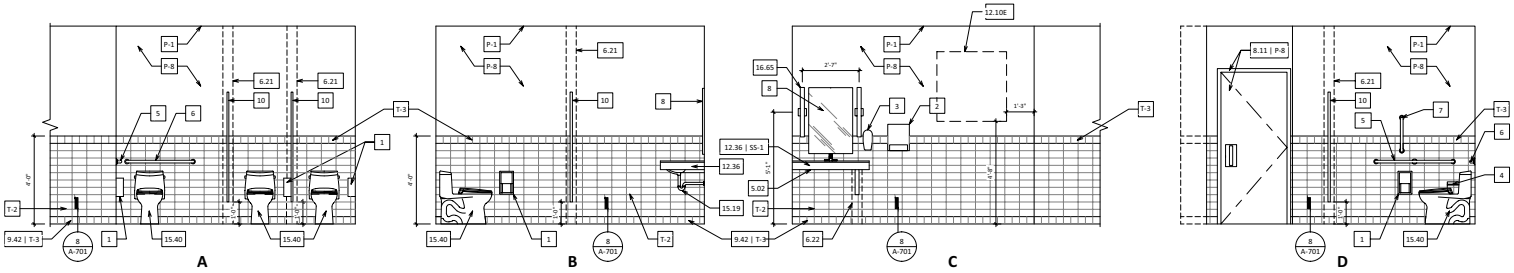
1. SEE SHEET A-601 FOR FINISH SCHEDULE.
2. SEE SHEET A-141 FOR FIXTURE ITEMS. 1
3. SEE M.E.P. DRAWINGS FOR PLUMBING FIXTURES.

KEYNOTES

5.02	LAVATORY SUPPORTED BY (2) 3" X 1" TS (HORIZ) PAINTED WHITE, POLYURETHANE FINISH.
6.20	HORIZONTAL 2 X 6 WD BLOCKING.
6.21	VERTICAL 2 X 6 WD BLOCKING @ EACH TOILET PARTITION
6.22	VERTICAL 2 X 6 WD BLOCKING FOR SINK SUPPORT.
8.11	HOLLOW METAL DOOR AND FRAME, PAINTED.
9.32	ALIGN FLOOR TILE GROUT LINES WITH COVE TILE GROUT LINES AND WALL TILES ABOVE.
9.42	CERAMIC TILE COVE BASE.
10.14	HANDICAP ACCESSIBLE SIGN MOUNTED AT 5'-0" AFF TO CENTERLINE ON THE WALL AT STRIKE SIDE OF DOOR. REF 3-A4.01.
10.61	INSTALL COAT HOOKS ON INSIDE OF PARTITION DOOR AT 66" AFF AND 42" AFF IN HANDICAP ACCESSIBLE STALLS.
12.10C	FRAMED WALL GRAPHIC BY STEAK 'N SHAKE MARKETING: "SINCE 1934".
12.10E	FRAMED WALL GRAPHIC BY STEAK 'N SHAKE MARKETING: "AN AMERICAN CLASSIC".
12.36	24" DEEP SOLID SURFACE LAVATORY COUNTER. REFER TO PLAN FOR WIDTH.
12.38	6" ROUND CUTOUT IN SOLID SURFACE COUNTERTOP.
15.19	INSULATE HOT WATER AND DRAIN LINES.
15.40	WATER CLOSET. REF PLUMBING SHEETS FOR SPECIFICATION.
15.41	URINAL. REF PLUMBING SHEETS FOR SPECIFICATION.
15.42	WHITE UNDERCOUNTER SINK AND FAUCET. REF PLUMBING SHEETS FOR SPECIFICATION.
16.65	WALL-MOUNTED LIGHT FIXTURE. REF A-121 FOR MORE INFORMATION.



5 MEN'S RESTROOM ELEVATIONS
SCALE: 3/8" = 1'-0"



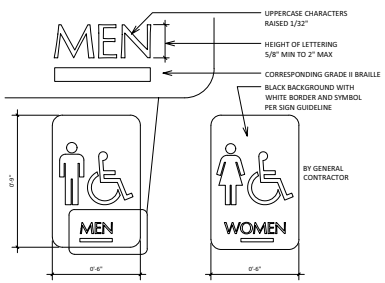
4 WOMEN'S RESTROOM ELEVATIONS
SCALE: 3/8" = 1'-0"

TOILET ACCESSORY SCHEDULE

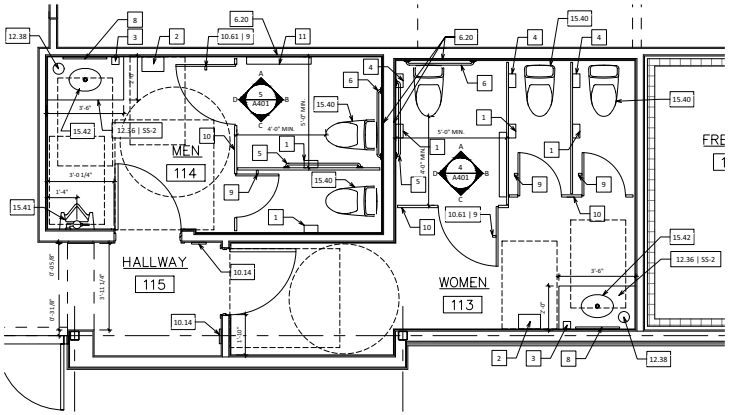
MARK	DESCRIPTION	QTY.	MFG. AND MODEL
1	TOILET PAPER DISPENSER	3	BY OWNER
2	AUTOMATIC PAPER TOWEL ROLL DISPENSER	2 (RR) 3 (KITCHEN)	BY OWNER
3	SOAP DISPENSER	2	BY OWNER
4	SANITARY NAPKIN DISPOSAL	2	BOBRICK B270 SURFACE MOUNT
5	GRAB BARS (HORIZONTAL)	2	BOBRICK B6806 - 42"
6	GRAB BARS (HORIZONTAL)	2	BOBRICK B8606 - 36"
7	GRAB BARS (VERTICAL)	2	BOBRICK B8606 - 18"
8	MIRROR	2	BOBRICK B-165 2436
9	COAT HOOK	3	BOBRICK B-6827
10	TOILET PARTITION	SEE PLAN	BRADLEY STAINLESS STEEL FLOOR BRACED PARTITION SERIES 500 OR EQUAL W/ SWL TEXTURED FINISH
11	WALL MOUNTED BABY CHANGING STATION	2	KOALA KB200-01

FINISH LEGEND

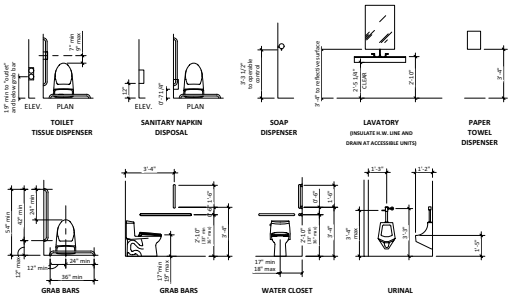
PAINT	
P-1	WHITE PAINT
P-8	RED PAINT
TILE	
T-2	PUTTY WALL TILE
T-3	BLACK BULLNOSE & COVE BASE
SOLID SURFACE	
SS-1	CAMBRIAN DESERT COLLECTION, CAMBRIAN BLACK, POLISHED FINISH, SUPPLIED BY MILLWORK VENDOR



3 RESTROOM SIGNAGE
SCALE: 3" = 1'-0"



2 ENLARGED RESTROOM PLAN
SCALE: 3/8" = 1'-0"



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

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NO.	DATE	REVISION DESCRIPTION
1	7.15.16	BLDG PERMIT REVIEW

SEAL:

STATE OF CALIFORNIA
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C-18865
REN: 6/30/17
LICENSED ARCHITECT

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DESIGNED BY:
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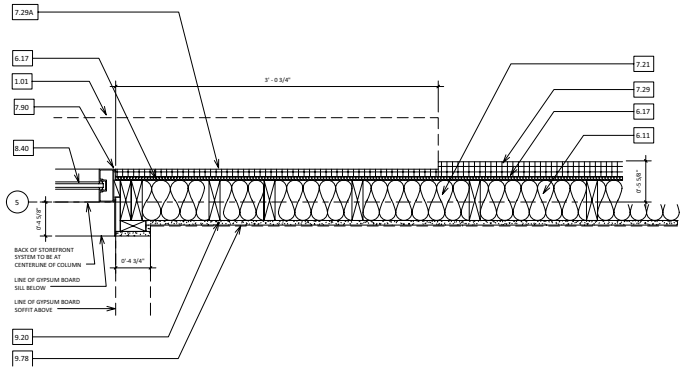
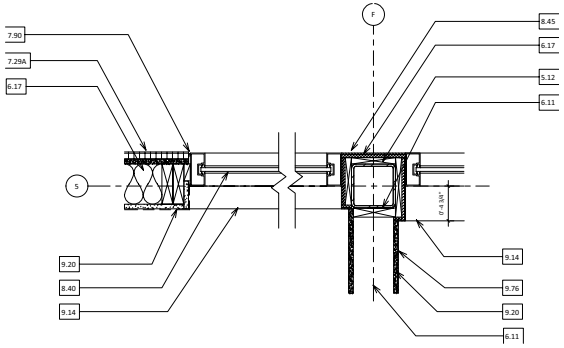
DRAWN BY:
VERSION:
PROJECT NO: 17655

DRAWING TITLE:
ENLARGED RESTROOM PLANS & ELEVATIONS

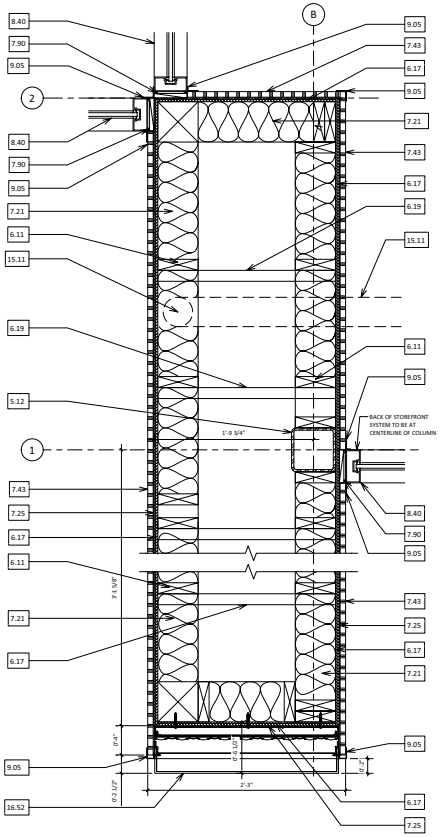
SHEET NO:
A-401



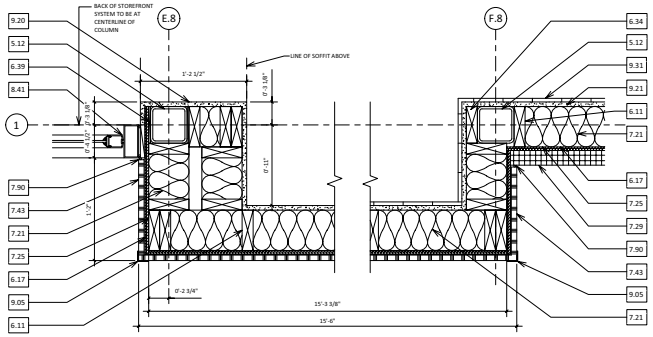
7 EXTERIOR WALL DETAIL
SCALE: 1 1/2" = 1'-0"



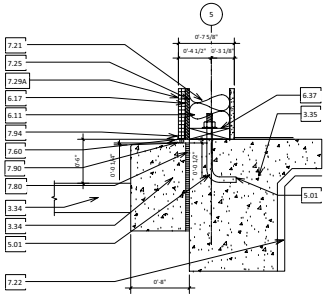
5 EXTERIOR WALL DETAIL
SCALE: 1 1/2" = 1'-0"



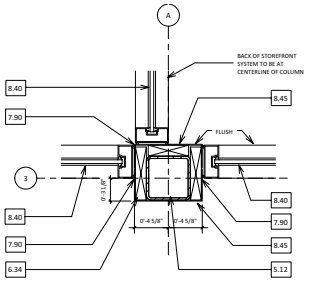
6 FIN WALL DETAIL
SCALE: 1 1/2" = 1'-0"



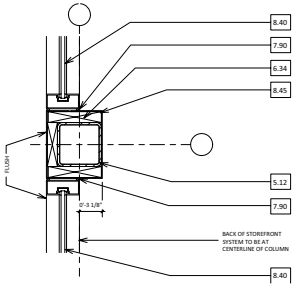
4 FEATURE WALL DETAIL
SCALE: 1 1/2" = 1'-0"



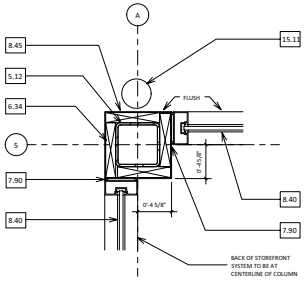
9 FLOOR SLAB / EXTERIOR
SCALE: 1 1/2" = 1'-0"



3 STOREFRONT DETAIL
SCALE: 1 1/2" = 1'-0"



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



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

KEYNOTES

1.01	SIGNAGE UNDER SEPARATE PERMIT. GENERAL CONTRACTOR TO COORDINATE INSTALLATION AND VERIFY POWER REQUIREMENTS.
5.12	TUBE STEEL COLUMN.
6.11	2x6 WOOD STUDS @ 16" O.C.
6.17	1/2" EXTERIOR-GRADE PLYWOOD WALL SHEATHING.
6.19	2x4 WOOD STUD BRACING.
6.34	2x WOOD FURRING.
6.39	WOOD SHIM AS REQUIRED
6.40	PLASTIC LAMINATE
6.41	MDF
7.21	R-19 BATT INSULATION.
7.25	MOISTURE BARRIER.
7.29	2" EXTERIOR INSULATION AND FINISHING SYSTEM (EIFS).
7.29A	1" EXTERIOR INSULATION AND FINISHING SYSTEM (EIFS).
7.43	ARCHITECTURAL WALL SYSTEM (FURNISHED AND INSTALLED BY SIGN VENDOR).
7.90	BACKER ROD AND SEALANT. SHIM AS NEEDED.
8.11	HOLLOW METAL DOOR AND FRAME.
8.40	ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" INSULATED TEMPERED GLASS
8.41	ALUMINUM STOREFRONT ENTRANCE DOOR WITH STANDARD PULL.
8.45	ALUMINUM STOREFRONT SPLIT COLUMN SURROUND WITH M-1 FINISH TO MATCH STOREFRONT SYSTEM.
9.05	METAL CORNER CAP TO MATCH ARCHITECTURAL WALL SYSTEM.
9.14	STAINLESS STEEL METAL CAP BY KEC.
9.20	5/8" GYPSUM BOARD.
9.21	5/8" GYPSUM GREEN BOARD
9.31	CERAMIC WALL TILE
9.76	FIBER-REINFORCED PLASTIC WALL COVERING.
9.78	STAINLESS STEEL WALL PANEL M-7
15.11	ROOF DRAIN TO INTERGRAL DOWNSPOUT. DOWNSPOUT TO CONNECT TO STORM SEWER BELOW. REFER TO PLUMBING AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
16.52	CONTINUOUS LIGHT BOX AT END OF FIN WALL TO BE FURNISHED AND INSTALLED BY SIGN VENDOR. SEE SECTIONS AND DETAILS FOR MORE INFORMATION.

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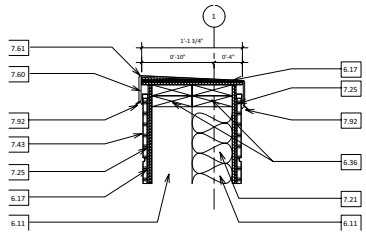
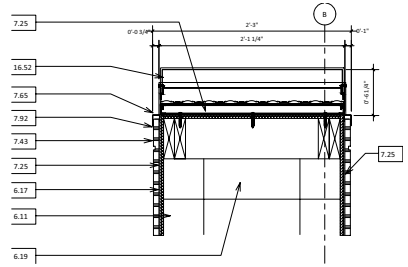
DRAWN BY:
VERSION: - -
PROJECT NO: 17655

DRAWING TITLE:
EXTERIOR DETAILS

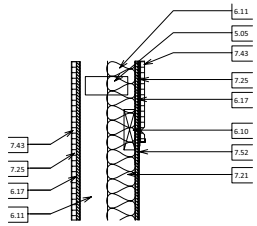
SHEET NO:
A-501



7 FEATURE WALL DETAIL
SCALE: 1 1/2" = 1'-0"

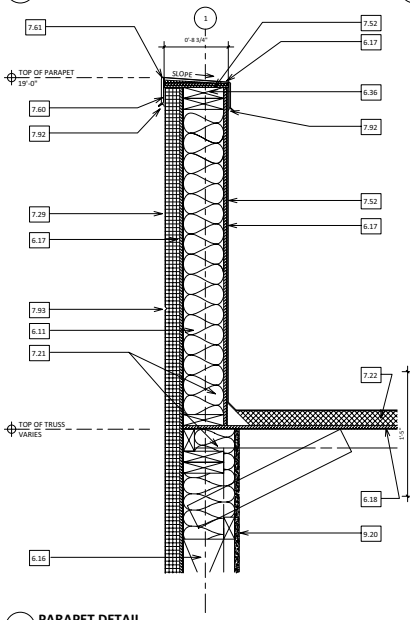


4 FIN WALL DETAIL
SCALE: 1 1/2" = 1'-0"

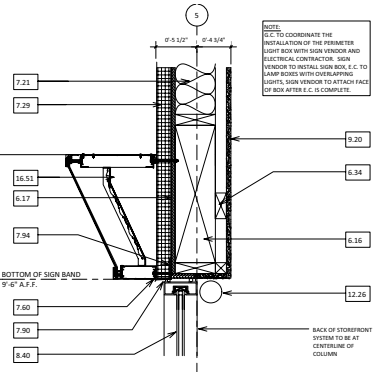


6 FEATURE WALL DETAIL
SCALE: 1 1/2" = 1'-0"

3 NOT USED
SCALE: 1 1/2" = 1'-0"

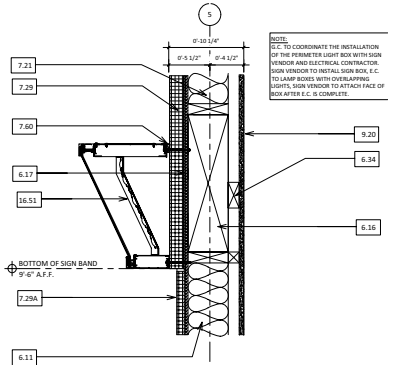


5 PARAPET DETAIL
SCALE: 1 1/2" = 1'-0"



NOTE:
G.C. TO COORDINATE THE INSTALLATION OF THE PERIMETER LIGHT BOX WITH SIGN VENDOR AND ELECTRICAL CONTRACTOR. SIGN VENDOR TO INSTALL SIGN BOX, E.C. TO LAMP BOXES WITH OVERLAPPING LIGHTS, SIGN VENDOR TO ATTACH FACE OF BOX AFTER E.C. IS COMPLETE.

2 SIGN BAND AT STOREFRONT
SCALE: 1 1/2" = 1'-0"



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1 SIGN BAND AT DRIVE-THRU
SCALE: 1 1/2" = 1'-0"

KEYNOTES

5.05	STEEL PLATE
6.10	WOOD BLOCKING
6.11	2x6 WOOD STUDS @ 16" O.C.
6.12	WOOD TRUSS. REF STRUCTURAL.
6.16	WOOD BEAM. REF STRUCTURAL.
6.17	1/2" EXTERIOR-GRADE PLYWOOD WALL SHEATHING.
6.18	1/2" EXTERIOR-GRADE PLYWOOD ROOF DECK.
6.19	2x4 WOOD STUD BRACING.
6.28	CANT STRIP.
6.33	2x4 WOOD STUD KICKER AT EACH STUD. REF STRUCTURAL.
6.34	2x4 WOOD FURRING.
6.36	2x TOP PLATE.
7.21	R-19 BATT INSULATION.
7.22	RIGID INSULATION.
7.25	MOISTURE BARRIER. LAP OVER TOP OF PARAPET.
7.29	2" EXTERIOR INSULATION AND FINISHING SYSTEM (EIFS).
7.29A	1"EXTERIOR INSULATION AND FINISHING SYSTEM (EIFS).
7.43	ARCHITECTURAL WALL SYSTEM (FURNISHED AND INSTALLED BY SIGN VENDOR).
7.52	SINGLE-PLY ROOF MEMBRANE, LAP OVER TOP PLATE AND EXTEND DOWN PARAPET WALL. FLASH PER MANUFACTURERS INSTRUCTIONS.
7.55	CONTINUOUS SLOPED DIAGONAL BRACING AT PARAPET WALL WITH MEMBRANE PARAPET FLASHING ON 5/8" EXTERIOR GRADE PLYWOOD SHEATHING
7.60	CONTINUOUS CLEAT.
7.61	ALUMINUM PARAPET COPING PAINTED SF-2. SEE DETAIL 4-A-S04
7.65	METAL COPING TO MATCH ARCHITECTURAL WALL SYSTEM.
7.90	BACKER ROD AND SEALANT.
7.92	CONTINUOUS SEALANT.
7.93	3/4" "V" REVEAL IN EIFS.
7.94	EIFS STARTER TRACK AND WEEPS. PAINT TO MATCH EIFS.
8.40	ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" INSULATED TEMPERED GLASS.
9.20	5/8" GYPSUM BOARD.
12.26	SOLAR SHADE.
16.51	LIGHT BOX TO BE PROVIDED BY SIGN MANUFACTURER.
16.52	CONTINUOUS LIGHT BOX AT END OF FIN WALL TO BE FURNISHED AND INSTALLED BY SIGN VENDOR. SEE SECTIONS AND DETAILS FOR MORE INFORMATION.

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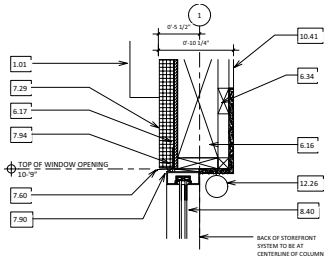
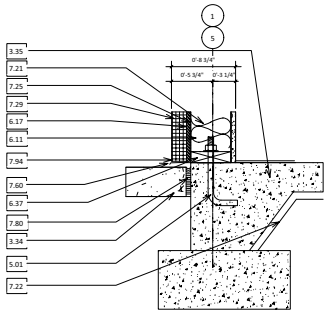
DRAWING TITLE:
EXTERIOR DETAILS

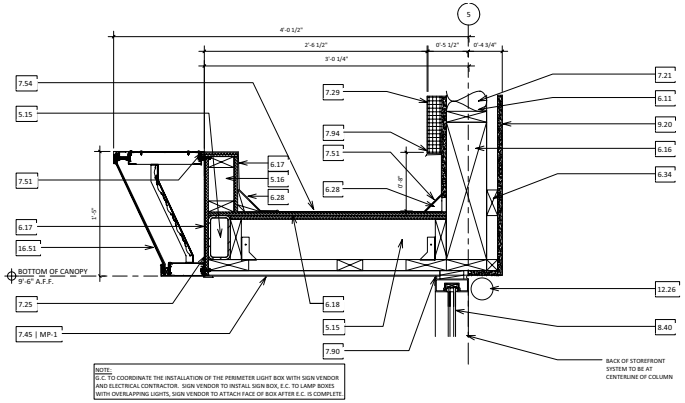
SHEET NO:
A-502



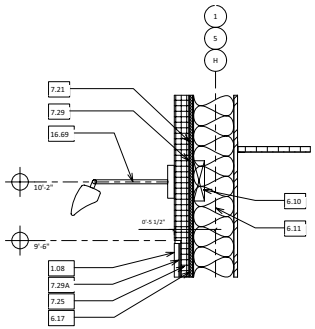
9 STOREFRONT AT EIFS
SCALE: 1 1/2" = 1'-0"



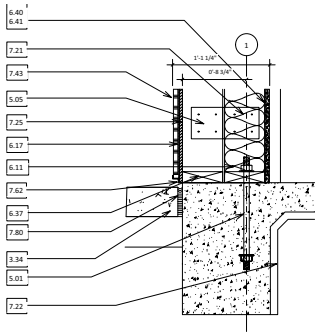
6 FLOOR SLAB / EXTERIOR
SCALE: 1 1/2" = 1'-0"



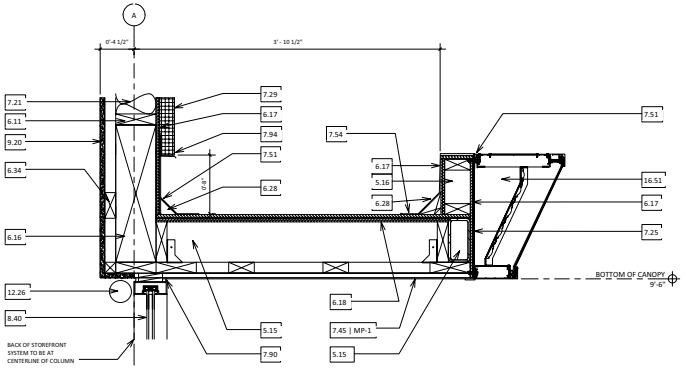
3 CANOPY WITH ANGLED LIGHT BOX BAND
SCALE: 1 1/2" = 1'-0"



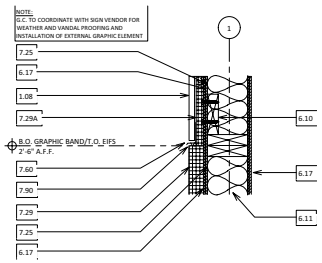
8 EXTERNAL GRAPHIC DETAIL
SCALE: 1 1/2" = 1'-0"



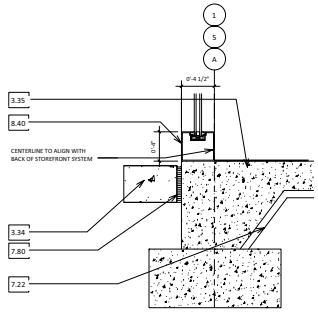
5 FLOOR SLAB / FEATURE WALL
SCALE: 1 1/2" = 1'-0"



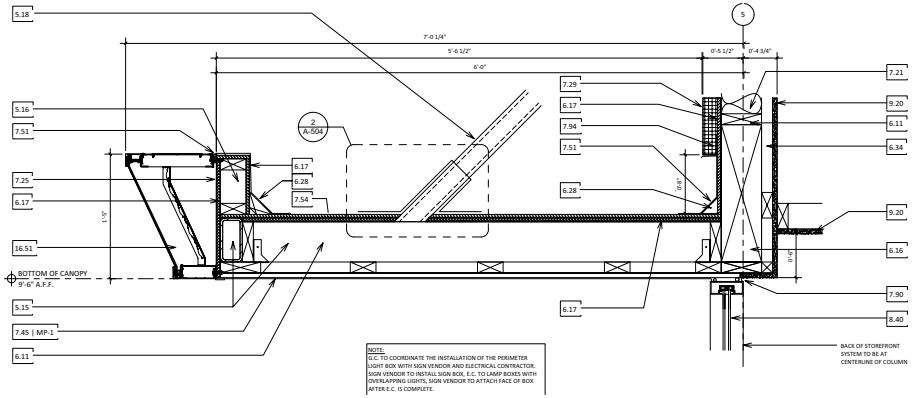
2 CANOPY WITH ANGLED LIGHT BOX BAND
SCALE: 1 1/2" = 1'-0"



7 EXTERNAL GRAPHIC DETAIL
SCALE: 1 1/2" = 1'-0"



4 FLOOR SLAB / STOREFRONT
SCALE: 1 1/2" = 1'-0"



1 CANOPY AT DRIVE-THRU
SCALE: 1 1/2" = 1'-0"

KEYNOTES

1.01	SIGNANGE UNDER SEPARATE PERMIT.
1.08	ART WORK BY OWNER.
3.34	EXTERIOR CONCRETE PAVING. REF. STRUCTURAL.
3.35	CONCRETE SLAB. REF. STRUCTURAL.
5.01	ANCHOR BOLT
5.05	STEEL PLATE.
5.15	TUBE STEEL BEAM. REF STRUCTURAL.
5.16	2X4 WOOD STUDS @ 24" O.C. (VERTICAL)
5.18	STEEL BRACE. REF STRUCTURAL.
6.10	WOOD BLOCKING.
6.11	2x6 WOOD STUDS @ 16" O.C.
6.12	WOOD TRUSS. REF STRUCTURAL.
6.16	WOOD BEAM. REF STRUCTURAL.
6.17	1/2" EXTERIOR-GRADE PLYWOOD WALL SHEATHING.
6.18	1/2" EXTERIOR-GRADE PLYWOOD ROOF DECK.
6.28	CANT STRIP.
6.33	2x4 WOOD STUD KICKER AT EACH STUD. REF STRUCTURAL.
6.34	2x4 WOOD FURRING.
6.37	2X BOTTOM PLATE
6.40	PLASTIC LAMINATE
6.41	MDF
7.01	AIR SPACE.
7.21	R-19 BATT INSULATION.
7.22	RIGID INSULATION.
7.25	MOISTURE BARRIER.
7.29	2" EXTERIOR INSULATION AND FINISHING SYSTEM (EIFS).
7.29A	1" EXTERIOR INSULATION AND FINISHING SYSTEM (EIFS).
7.43	ARCHITECTURAL WALL SYSTEM (FURNISHED AND INSTALLED BY SIGN VENDOR
7.45	METAL SOFFIT PANELS.
7.51	FULLY ADHERED MEMBRANE LAP OVER PLYWOOD PERIMETER AND EXTEND DOWN ENTIRE HEIGHT OF LIGHT BAND AND LAP 6" UP BEHIND EIFS.
7.54	SINGLE-PLY ROOF MEMBRANE OVER 1/2" EXTERIOR GRADE TAPERED PLYWOOD. PLYWOOD TO SLOPE TO DRAINS A MINIMUM OF 1/4" PER 1' - 0".
7.60	METAL FLASHING.
7.62	METAL FLASHING TO MATCH COLOR OF ARCHITECTURAL WALL SYSTEM. HOLD BOTTOM OF FLASHING 2" ABOVE HARD SURFACES OR 6" ABOVE SOIL GRADE.
7.80	SEALANT AND COMPRESSIBLE FILLER.
7.90	BACKER ROD AND SEALANT.
7.94	EIFS STARTER TRACK AND WEEPS. PAINT TO MATCH EIFS.
8.40	ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" INSULATED TEMPERED GLASS. SET BOTTOM FRAME IN CONTINUOUS BED OF MASTIC.
9.20	5/8" GYPSUM BOARD.
12.26	SOLAR SHADE.
16.51	LIGHT BOX TO BE PROVIDED BY SIGN MANUFACTURER.
16.69	EXTERIOR LIGHT FIXTURE, REF. ELECTRICAL.

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NO.	DATE	REVISION DESCRIPTION

SEAL:

STATE OF CALIFORNIA
DANIEL BRIAN GOALWIN
C-18665
REN. 6/30/21
LICENSED ARCHITECT

CLIENT:
SATER OIL GROUP, INC.
683 CLIFFSIDE DRIVE SAN
DIMAS, CA 91773
909-293-7588

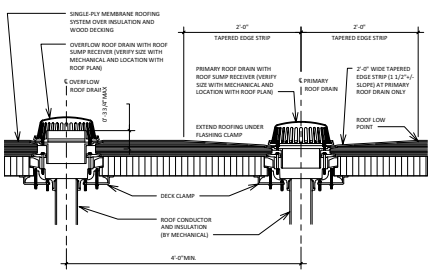
DEVELOPMENT INFORMATION:
STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:
SWC CHILDS AVE & PARSONS ST
MERCED, CALIFORNIA

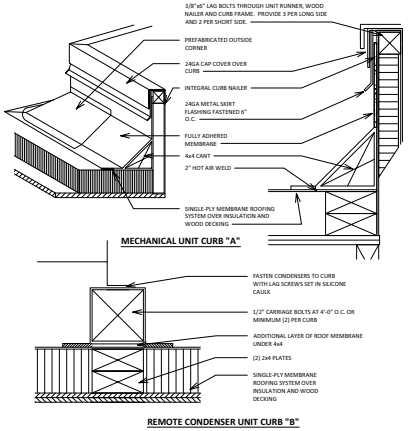
DESIGNED BY:
CHECKED BY:
DRAWN BY:
VERSION: - -
PROJECT NO: 17655

DRAWING TITLE:
EXTERIOR DETAILS

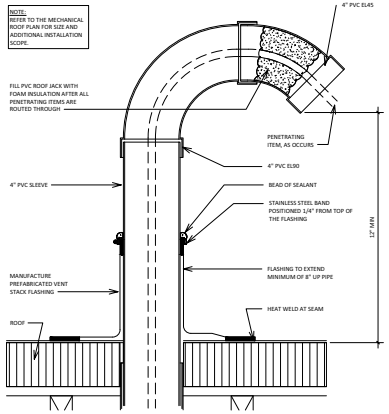
SHEET NO:
A-503



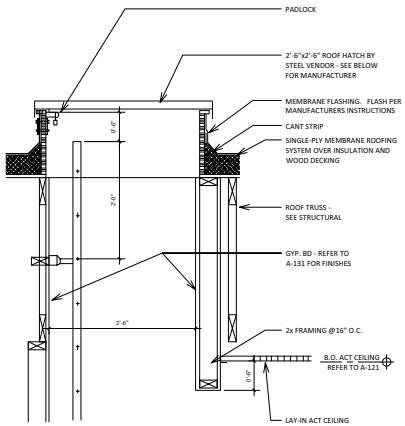
9 ROOF DRAIN SECTION DETAIL
SCALE: 1" = 1'-0"



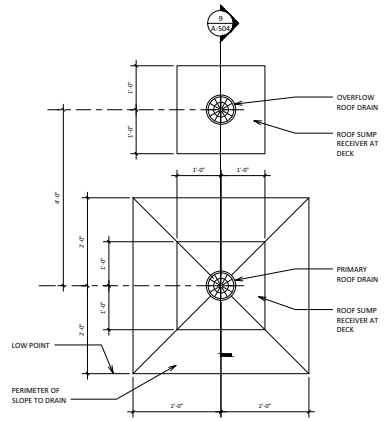
6 ROOFTOP CURB DETAIL
SCALE: 3" = 1'-0"



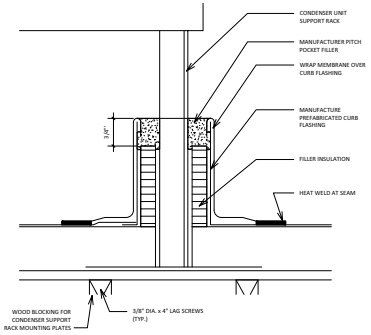
3 FLASHING DETAIL
SCALE: 3" = 1'-0"



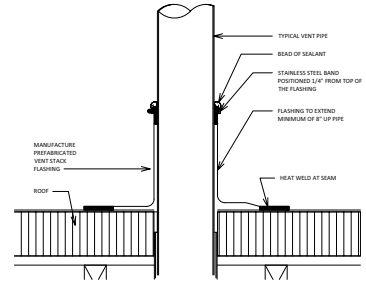
10 ROOF HATCH DETAIL
SCALE: 1" = 1'-0"



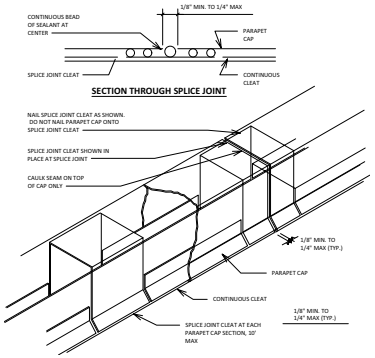
8 ROOF DRAIN PLAN
SCALE: 3/4" = 1'-0"



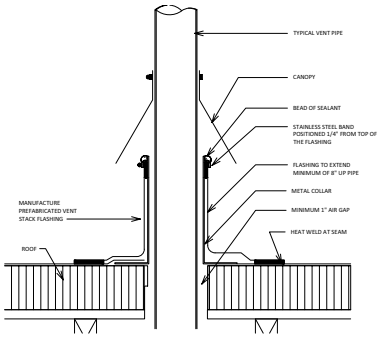
5 FLASHING DETAIL
SCALE: 3" = 1'-0"



2 FLASHING DETAIL
SCALE: 3" = 1'-0"



4 PARAPET SLICE DETAIL
SCALE: 3" = 1'-0"



1 FLASHING DETAIL
SCALE: 3" = 1'-0"

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

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VERSION: - -
PROJECT NO: 17655

DRAWING TITLE:
ROOF DETAILS

SHEET NO:
A-504

FINISH SCHEDULE

KEY	ITEM	DESCRIPTION	COLOR	REMARKS
AC-1	ACRYLIC	ACRYLITE - SATIN ICE ACRYLIC SHEET SATIN ICE	WHITE WD008	BAR COUNTER SURROUND - THICKNESS TO BE 1/2"
AC-2	ACRYLIC	ACRYLIC	WHITE	HOSTESS STAND FIXTURE - THICKNESS TO BE 1/2"
LCT-1	ACOUSTICAL CEILING TILE	ARMSTRONG - CERAMAGUARD, #605, FINE FISSURED SQUARE LAY-IN , 24" X 48", UNPERFORATED, 15/16" SUSPENSION SYSTEM TO BE PRELUDE XL FIREGUARD	WHITE, SUSPENSION SYSTEM TO BE WHITE	WASHABLE KITCHEN LAY-IN TILE
AP-1	ARCHITECTURAL PANEL	NICHIHA - FIBER CEMENT COMPOSITE PANELS, 1/2" REVEALS	RED TO MATCH PMS 485C	FIN WALL AND FEATURE WALL
B-2	VINYL BASE	JOHNSONITE - TRADITIONAL VINYL WALL BASE	#40 BLACK 4" COVE (COIL)	RESTAURANT PERIMETER
B-4	TILE	DALTILE - QUARRY TEXTURES	6" X 6", QT03	KITCHEN TRIM UNITS- MATCHING BULLNOSE, BULLNOSE CORNER, COVE/INSIDE FINGER COVE, COVE BASE, OUTSIDE COVE CORNER SHAPES IN SIZES COORDINATED WITH FIELD TILE SHAPES, COVE BASE TO BE FLUSH WITH FACE OF FLOOR TILES CUSTOM PRISM - #19 PEWTER 1/8" WIDE
EIFS-1	EIFS	STO THERM ESSENCE NEXT EIFS SYSTEM WITH FINE SAND FINISH USING STO GUARD MEMBRANE (WATERPROOFING MOISTURE BARRIER)	CUSTOM COLOR TO MATCH BENJAMIN MOORE RMI-70 / 912 LINEN WHITE.	COORDINATE ALL DETAILS WITH STO MANUFACTURER
EIFS-2	EIFS	STO THERM ESSENCE NEXT EIFS SYSTEM WITH FINE SAND FINISH USING STO GUARD MEMBRANE (WATERPROOFING MOISTURE BARRIER)	CUSTOM COLOR TO MATCH BENJAMIN MOORE 2125-20 DEEP SPACE.	COORDINATE ALL DETAILS WITH STO MANUFACTURER
EIFS-3	EIFS	STO THERM ESSENCE NEXT EIFS SYSTEM WITH FINE SAND FINISH USING STO GUARD MEMBRANE (WATERPROOFING MOISTURE BARRIER)	CUSTOM COLOR TO MATCH BENJAMIN MOORE RMI-80 / PM-9 BLACK	COORDINATE ALL DETAILS WITH STO MANUFACTURER
F-1	VINYL	MAHARAM - LEDGER, 463770-00	STARK, 001	FURNITURE, 54" WIDE
F-2	VINYL	MAJILITE - PEARL FINESSE	BLACK J1A2V	FURNITURE
F-3	VINYL	GULFORD - ELITE COLLECTION, CAVANAUGH 201CV247, 54" WIDE	REDBIRD	FURNITURE, FAUX LEATHER
F-4	VINYL	MOMENTUM - PATTERN; SUBLIME, 54" WIDE	OXIDE 09059202	FURNITURE
FRP-1	FIBERGLASS REINFORCED PANELS	MARLITE WALL SYSTEMS	SYMMETRIX FRP, CLASSIC COLOR C100-G44 WHITE, STANDARD GLOSS	KITCHEN
FRP-2	FIBERGLASS REINFORCED PANELS	MARLITE WALL SYSTEMS	STANDARD FRP, P-100 WHITE	KITCHEN
FRP-3	FIBERGLASS REINFORCED PANELS	MARLITE WALL SYSTEMS	SYMMETRIX FRP, GRAPHIC WALL, STANDARD GLOSS	KITCHEN - GRAPHIC WALL
ME-1	MELAMINE		WHITE	INTERIOR MILLWORK
MP-1	METAL SOFFIT PANEL	MBCI - ARTISAN SERIES	SILVER METALLIC	EXTERIOR CANOPY SOFFIT. PROVIDE PANELS WITH PERFORATED HOLES @ 10' - 0" O.C.
M-1	METAL	METAL TRIM	BRUSHED ALUMINUM WITH CLEAR ANODIZED FINISH	SPECIFICATION IS FOR CONTRACTORS TO MATCH THE FINISH
M-3	METAL	VALSPAR FLUROPON SPECIAL PREMIERE	RED TO MATCH PMS 485C	FRONT DOOR & FIN FLASHING & COPING ONLY, MATTE FINISH
M-7	METAL	ROLLED, 16 GAUGE	304 STAINLESS STEEL, GRANEX MIA	FOR SOFFIT TRIM COORDINATE WITH GRAPHIC VENDOR FOR APPLIED GRAPHICS
MISC-1	WINDOW SHADE	ROLL-A-SHADE - LEGACY SHADE SERIES	PHIFER FABRICS, 4000, GRANITE	SOLAR SHADE AT ALL PERIMETER WINDOWS AS INDICATED
P-1	PAINT	BENJAMIN MOORE - AURA INTERIOR PAINT	SUPER WHITE RMI-02 (PM-1), CEILING FLAT FINISH	CEILING
P-2	PAINT	BENJAMIN MOORE - AURA INTERIOR PAINT	BLACK RMI-80 (PM-9), CEILING FLAT FINISH	CEILING SOFFIT
P-3	PAINT	BENJAMIN MOORE - AURA INTERIOR PAINT	LINEN WHITE RMI-70 (912), EGGSHELL FINISH	EXTERIOR
P-4	PAINT	BENJAMIN MOORE - AURA INTERIOR PAINT	DEEP SPACE 2125-20, EGGSHELL FINISH	EXTERIOR
P-7	PAINT	BENJAMIN MOORE - AURA INTERIOR PAINT	NAVAJO WHITE- 947, SATIN FINISH	WALLS
P-8	PAINT	PPG	AUTUMN RIDGE, 331-7	WALLS AND CEILING - WALLS TO BE SATIN, CEILING TO BE FLAT
P-10	PAINT	MATTHEWS PAINT	BRUSHED ALUMINUM LRV 68.2 MP30136, SATIN FINISH V1.0	WHEN CALLING REFERENCE NUMBER R111726
PL-1	PLASTIC LAMINATE	WILSONART	PEWTER MESH 4878, FINISH: 38	WALL PANELS
PT-1	PORCELAIN TILE	DALTILE - KIMONA SILK	12" x 24" P327 BLACK PANDA, UNPOLISHED	DINING ROOM FLOOR, GROUT TO BE 1/16" WIDE CUSTOM PRISM - #19 PEWTER
PT-2	PORCELAIN TILE	DALTILE - KIMONA SILK	12" x 24" P320 WHITE ORCHID, UNPOLISHED	DINING ROOM FLOOR, GROUT TO BE 1/16" WIDE CUSTOM PRISM - #19 PEWTER
QT-1	QUARRY TILE	DALTILE - QUARRY TEXTURES SERIES QUARRY TILE	6" X 6", ASHEN GREY, QT03	KITCHEN / BOH FLOOR, GROUT TO BE 1/8" WIDE CUSTOM PRISM - #19 PEWTER
SS-1	SOLID SURFACE	CAMBRIAN - DESERT COLLECTION, S320	CAMBRIAN BLACK, POLISHED FINISH	COUNTER EASED EDGE "A" (POLISHED)
SS-2	SOLID SURFACE	FORMICA SIGNATURES -	BLANCO TERRAZZO - 742	COUNTER EASED EDGE "A" (POLISHED) W/ INTERGAL LAVATORY
SF-2	SPECIAL FINISH	CUSTOM MATTHEWS PAINT	TO MATCH P-3, MATTE FINISH	EXTERIOR
T-1	TILE	DALTILE - KIMONA SILK	12" x 12", P327, BLACK PANDA, UNPOLISHED	RESTROOM FLOOR, GROUT TO BE 1/16" WIDE LATICRETE MIDNIGHT BLACK 22
T-2	TILE	DALTILE - MODERN DIMENSIONS	URBAN PUTTY, 0161, 4" X 8" SEMI-GLOSS FINISH	RESTROOM WALLS, GROUT TO BE 1/16" WIDE GROUT TO BE CUSTOM PRISM - #172 URBAN PUTTY
T-3	TILE	DALTILE - MODERN DIMENSIONS	BLACK, K111, 4" X 4", GLOSS FINISH - BULLNOSE & COVE BASE	RESTROOM TRIM AND BASE, GROUT TO BE 1/16" WIDE GROUT TO BE CUSTOM PRISM - #60 CHARCOAL COVE BASE TO BE FLUSH WITH FACE OF FLOOR TILES
T-4	TILE	DALTILE - MODERN DIMENSIONS	URBAN PUTTY 0761-MT, 2" X 4" MATTE FINISH, STRAIGHT JOINT, MOSAIC	NOTE: TILE SUPPLIED & INSTALLED BY FIXTURE VENDOR ON ALL FIXTURES, G.C. NOT TO BID - GROUT TO BE CUSTOM PRISM - #172 URBAN PUTTY 1/16" WIDE
T-5	TILE	DALTILE - MODERN DIMENSIONS	ARCTIC WHITE, 0790, 4" X 8", MATTE FINISH	GROUT JOINT TO BE 1/16" WIDE CUSTOM PRISM - #381 BRIGHT WHITE

HARDWARE SCHEDULE

DOOR SET 1 - RESTROOMS

EACH TO HAVE:	MANF.
3 EA. HINGES - B 1279, 4 1/2" X 4 1/2"	HAGER
1 PULL PLATE 830236628	IVES
1 PUSH PLATE 820036628	IVES
1 SET EA. SILENCERS - SR64	IVES OR EQ.
1 EA. FLOOR STOP - FS17	LCN OR EQ.
1 EA. DOOR CLOSER W/ HOLD OPEN - LCN 1460	LCN OR EQ.
1 EA. 10" HIGH KICK PLATE NO. 8400-S320 (PUSH SIDE SIDE)	IVES OR EQ.

DOOR SET 2 - UTILITY

EACH TO HAVE:	MANF.
3 EA. HINGES - B 1279, 4 1/2" X 4 1/2"	HAGER
1 EA. LOCKSET - AL80PD FB4 NEP-619	SCHLAGE
3 EA. SILENCERS - SR64	IVES OR EQ.
1 EA. CLOSER - 1460 SERIES HINGE SIDE MOUNT	LCN OR EQ.
1 EA. FLOOR STOP - FS17	IVES OR EQ.
1 EA. WEATHER STRIP-303AV	PEMKO

DOOR SET 3 - REAR EGRESS

EACH TO HAVE:	MANF.
3 EA. HINGES - B 1279, 4 1/2" X 4 1/2"	HAGER
1 EA. KICK PLATE - 8400-S32D	IVES
1 EA. ONE-WAY VIEWER - U808 - WIDE VIEW	IVES OR EQ.
1 EA. STOP - FS436 - BRUSHED CHROME	IVES
1 EA. CLOSER - LCN 4010	LCN
1 EA. EXIT DEVICE W/ ALARM - VD2670-313AN-3	VON DUPRIN
DOOR TO HAVE EXTERIOR TUMBLER LOCKSET-KEYED	
DOOR TO HAVE EXTERIOR HANDLE.	IVES OR EQ.
1 EA. WEATHER STRIP-303AV	PEMKO

DOOR SET 4 - ENTRY DOORS

EACH TO HAVE:	MANF.
1 DOOR PUSH/PULL SET 164D/V/B	HAGER
1 FLOOR STOP/HOLD OPEN - FS41 US26D	IVES
1 EA. WEATHER STRIP-303AV	PEMKO
1 EA. PANELINE CONCEALED ROD EXIT DEVICE	KAWNEER

DOOR SET 5 - OFFICE

EACH TO HAVE:	MANF.
3 EA. HINGES -B1279, 4 1/2 X 4 1/2	HAGER
1 EA. LOCKSET - ND80JD X RHODES X 13-047 X 10-025 X 626	SCHLAGE
1 SET EA. SILENCERS SR64	IVES OR EQ.
1 EA. FLOOR STOP FS17	IVES OR EQ.
1 EA. DOOR CLOSER WITH HOLD OPEN - LCN 1460	LCN OR EQ.

** ALL OTHER HARDWARE BY STOREFRONT MANUFACTURER

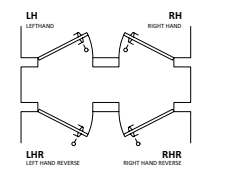
FINISH NOTES

1. ALL INTERIOR WALL CEILING FINISHES SPECIFIED SHALL BE NOT LESS THAN CLASS 'C' AS REQUIRED BY TABLE 803.5, GROUP A2, NON-SPRINKLERED.
2. NOT USED.
3. NOT USED.
4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER PREPARATION OF ALL NEW AND EXISTING SURFACES IN A SATISFACTORY MANNER TO RECEIVE NEW FINISHES. THIS INCLUDES THE DEMOLITION AND REMOVAL OF NECESSARY ITEMS. TOUCH-UP AND/OR REFINISH OF SURFACES DAMAGED BY SUBSEQUENT WORK SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDED INSTALLATION METHODS. THE GENERAL CONTRACTOR SHALL PREPARE THE EXISTING FLOOR PRIOR TO THE APPLICATION OF FINISH FLOORING. THE EXISTING CONCRETE SLAB MUST BE SMOOTH AND LEVEL TO WITHIN A TOLERANCE OF ONE-EIGHTH INCH PER FOOT. LATEX CEMENT PATCHING COMPOUND SHALL BE UTILIZED (NO ASPHALT BASED COMPOUNDS).
5. ALL SURFACES WHICH ARE TO RECEIVE A PAINT FINISH SHALL BE PRIMED AND FINISHED IN ACCORDANCE WITH THE WRITTEN SPECIFICATIONS.
6. ALL JOINTS IN GYPSUM BOARD WALLS SHALL BE FINISHED WITH PAPER TAPE 2" WIDE AND THREE COATS OF VINYL, DRY OR PREMIXED JOINT COMPOUND. ALL OUTSIDE CORNERS SHALL BE FINISHED WITH METAL CORNER BEADS, TAPED AND SPACKLED. ALL AREAS TO BE PAINTED SHALL BE SANDED SMOOTH. JUST PRIOR TO THE APPLICATION OF THE FIRST COAT OF PAINT, WIPE SANDED SURFACES WITH A DAMP CLOTH IN ORDER TO LAY FLAT NAP WHICH MAY HAVE FORMED IN SANDING.
7. THE PAINT CONTRACTOR SHALL REMOVE ALL HARDWARE, SWITCH COVERS, ETC. PRIOR TO PAINTING AND BE RESPONSIBLE FOR THE REINSTALLATION AFTER PAINTING IS COMPLETED.
8. FINISH FLOORING INSTALLATION SHALL BE IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDED INSTALLATION GUIDELINES. COORDINATE THE INSTALLATION WITH OTHER TRADES, SUCH AS ELECTRICAL.
9. ALL JOINTS BETWEEN MATERIALS TO BE TIGHT AND CONSTRUCTED IN A NEAT WORKMANLIKE MANNER.
10. ALL FINISHES SHALL BE TOUCHED UP TO CORRECT ANY IMPERFECTIONS AFTER INSTALLATION. FIXTURE CONTRACTOR SHALL PROVIDE TO THE GENERAL CONTRACTOR ALL MATERIALS FOR TOUCH UP WORK.
11. THE INTENT OF THE FINISH SPECIFICATION IS TO PROVIDE A SATISFACTORY FINISH TO ALL PARTS OF THE WORK. COVER ALL SURFACES THOROUGHLY. IF THE SPECIFIED NUMBER OF COATS DOES NOT ACCOMPLISH THE INTENT, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPLICATION OF ADDITIONAL COATS OF THE SPECIFIED MATERIAL TO GIVE SATISFACTORY COVERAGE, AT NO ADDITIONAL COST TO OWNER.
12. CLEAN ALL GLASS SURFACES WITH LIQUID GLASS CLEANER AT PROJECT COMPLETION.
13. PAINT ALL DOORS AND JAMBS, SEMI GLOSS IN COLOR TO MATCH ADJACENT FINISH, WHERE OCCURS, UNLESS NOTED OTHERWISE.
14. PAINT EXPOSED STRUCTURE, DUCTWORK, INSIDE OF DIFFUSERS, PIPING, SALES AREA SAME AS ADJACENT WALL COLOR.
15. REFERENCE SPECIFICATIONS FOR COMPLETE FINISH DOCUMENTATION AND MANUFACTERER INSTALLATION AND MAINTENANCE DOCUMENTATION.

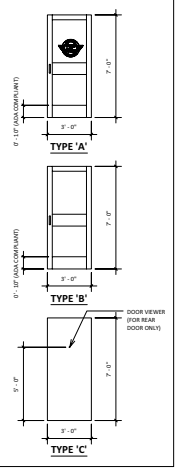
DOOR NOTES

1. THIS PROJECT SHALL COMPLY WITH ALL FEDERAL AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES AND LOCAL ACCESS CODE REQUIREMENTS.
2. THRESHOLDS SHALL BE NO HIGHER THAN 1/2" ABOVE THE FLOOR. EDGE TO BE BEVELED WITH A SLOPE NO GREATER THAN 1 IN 2.
3. DOOR HARDWARE SHALL BE OF THE LEVER OR PUSH TYPE, MOUNTED 30" TO 44" ABOVE THE FLOOR AND BE OPERABLE WITH A MAXIMUM EFFORT OF 5 LBS. FOR INTERIOR DOORS. EXTERIOR DOOR - 8 1/2" POUNDS MAX. PRESSURE FIRE DOOR - 15 POUNDS MAX. PRESSURE
4. ACCESSIBLE DOORS MUST BE MINIMUM 3'-0"W X 6'-8"H. MODIFY IF REQUIRED.
5. PROVIDE 18" CLEAR SPACE AT STRIKE/PULL SIDE ON INTERIOR DOORS, AND 12" CLEAR AT STRIKE/PUSH SIDE OF DOORS W/ CLOSERS AND 24" CLEAR AT STRIKE/PULL SIDE ON EXTERIOR DOOR.
6. FLOOR SHALL BE LEVEL THROUGHOUT.
7. CLOSERS: FURNISHED AND INSTALLED BY GENERAL CONTRACTOR. DOOR CLOSERS TO BE MOUNTED ON SWING SIDE OF DOORS. DOOR CLOSERS TO HAVE A MAXIMUM OPENING FORCE OF 5 LBS (INTERIOR HINGED DOORS). EXTERIOR DOOR - 8 1/2" POUNDS MAX. PRESSURE, FIRE DOOR - 15 POUNDS MAX. PRESSURE THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES MIN., THE DOOR SHALL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 IN. FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
8. CONTRACTOR SHALL VERIFY WITH SUPPLIER THAT ALL HARDWARE MEETS ADAAG REQUIREMENTS.
9. ALL DOOR HINGES TO BE STEEL BALL BEARING, FULL MORTISE TYPE.
10. ALL METAL DOOR FRAMES TO BE PROVIDED WITH SILENCERS.
11. ALL INTERIOR DOORS TO BE PROVIDED WITH COMMERCIAL GRADE WALL OR FLOOR STOPS.
12. GENERAL CONTRACTOR SHALL ENSURE ALL EXISTING DOORS TO REMAIN TO BE IN GOOD OPERATING ORDER AND TO MEET ALL LOCAL BUILDING CODES AND ADAAG REQUIREMENTS. GENERAL CONTRACTOR TO RESTORE DOORS AND HARDWARE TO "LIKE NEW" CONDITION.

DOOR HANDING



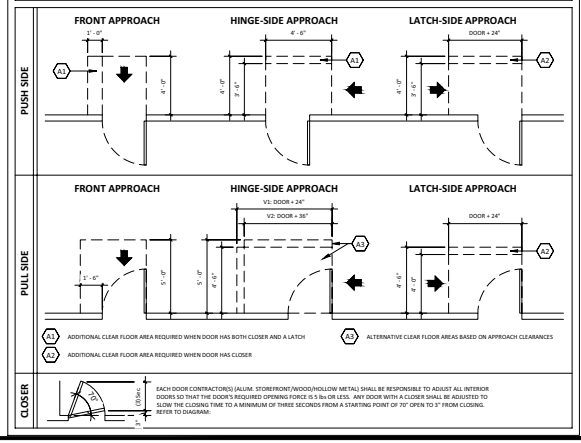
DOOR TYPES



DOOR SCHEDULE

DOOR#	ROOM NAME	TYPE	HARDWARE	HAND	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	HEAD	JAMB	THRESHOLD	FRAME MATERIAL	FRAME FINISH	FINISH COLOR DOOR HINGE SIDE	FINISH COLOR DOOR STOP SIDE	FINISH COLOR FRAME HINGE SIDE	FINISH COLOR FRAME STOP SIDE	REMARKS
100	VESTIBULE	A			3' - 0"	7' - 0"	0' - 1 3/4"												
100A	WAITING	E			3' - 0"	7' - 0"	0' - 1 3/4"												
101B	DINING	B	4	LHR	3' - 0"	7' - 0"	0' - 1 3/4"	ALUMINUM	FACTORY	MANU.	MANU.	NA	METAL	FACTORY	M1	M1	M1	M1	
101C	DINING	B	4	RHR	3' - 0"	7' - 0"	0' - 1 3/4"	ALUMINUM	FACTORY	MANU.	MANU.	NA	METAL	FACTORY	M1	M1	M1	M1	DOOR TO HAVE NO EXTERIOR HANDLE
109	SERVICE	C	3	RHR	3' - 6"	7' - 0"	0' - 1 3/4"	METAL	PAINT	7/A701	6/A701	3/A701	METAL	FACTORY	P-4	P-4	P-4	P-4	
110	OFFICE	C	5	LH	3' - 0"	7' - 0"	0' - 1 3/4"	METAL	PAINT	5/A701	5/A701	NA	METAL	PAINT	P-7	P-7	P-7	P-7	
113		C	1	RH	3' - 0"	7' - 0"	0' - 1 3/4"	METAL	PAINT	5/A701	5/A701	2/A701	METAL	PAINT	P-8	P-8	P-8	P-8	
114	MEN	C	1	LH	3' - 0"	7' - 0"	0' - 1 3/4"	METAL	PAINT	5/A701	5/A701	2/A701	METAL	PAINT	P-8	P-8	P-8	P-8	
116	UTILITY ROOM	C	2	LHR	3' - 6"	7' - 0"	0' - 1 3/4"	METAL	PAINT	7/A701	6/A701	4/A701	METAL	PAINT	P-4	P-4	P-4	P-4	

DOOR ACCESSIBILITY



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NO.	DATE	REVISION DESCRIPTION

SEAL:

STATE OF CALIFORNIA
DANIEL BRIAN GOALWIN
C-18865
REN. 11/30/21
LICENSED ARCHITECT

CLIENT:
SATER OIL GROUP, INC.
683 CLIFFSIDE DRIVE SAN DIMAS, CA 91773
909-293-7588

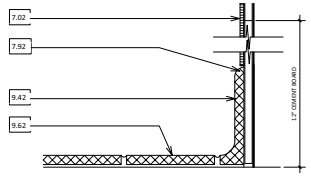
DEVELOPMENT INFORMATION:
STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:
SWC CHILDS AVE & PARSONS ST
MERCED, CALIFORNIA

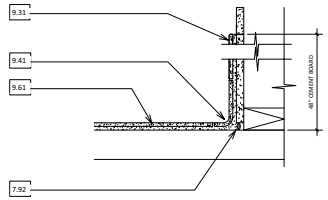
DESIGNED BY:
CHECKED BY:
DRAWN BY:
VERSION:
PROJECT NO: 17655

DRAWING TITLE:
FINISH SCHEDULE /DOOR SCHEDULE

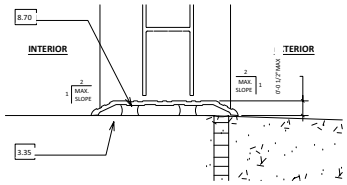
SHEET NO:
A-601



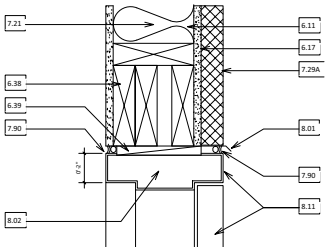
12 QUARRY TILE COVE BASE
SCALE: 3" = 1'-0"



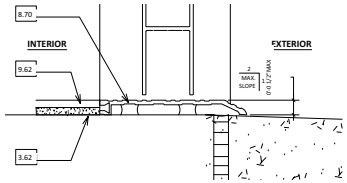
8 TILE COVE DETAIL
SCALE: 3" = 1'-0"



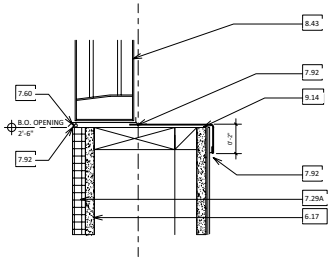
4 CONCRETE AT THRESHOLD
SCALE: 6" = 1'-0"



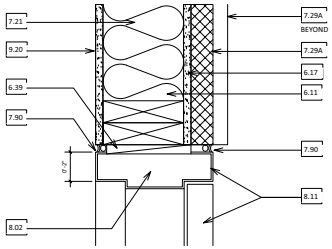
7 EXTERIOR HEAD DETAIL
SCALE: 3" = 1'-0"



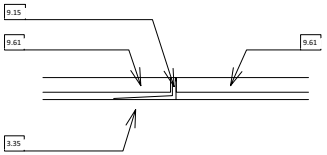
3 TILE AT THRESHOLD
SCALE: 6" = 1'-0"



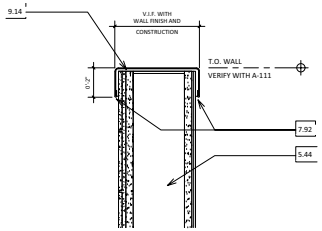
10 STAINLESS STEEL SILL
SCALE: 3" = 1'-0"



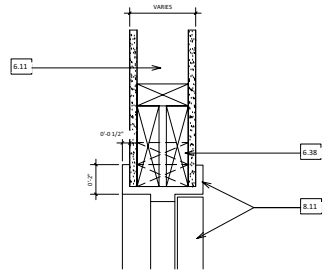
6 EXTERIOR JAMB DETAIL
SCALE: 3" = 1'-0"



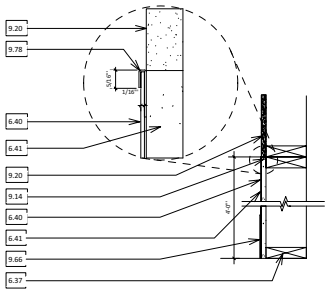
2 TILE TO TILE
SCALE: 12" = 1'-0"



9 STAINLESS STEEL WALL CAP
SCALE: 3" = 1'-0"



5 HEAD/JAMB DETAIL
SCALE: 3" = 1'-0"



1 LAMINATE TRIM DETAIL
SCALE: 1 1/2" = 1'-0"

KEYNOTES

3.35	CONCRETE SLAB. REF STRUCTURAL.
3.62	LEVELING COMPOUND.
5.44	METAL STUD CONSTRUCTION
6.11	2x6 WOOD STUDS @ 16" O.C.
6.17	1/2" EXTERIOR-GRADE PLYWOOD WALL SHEATHING.
6.37	2x BOTTOM PLATE.
6.38	WOOD HEADER.
6.39	WOOD SHIM.
6.40	PLASTIC LAMINATE.
6.41	MDF.
7.02	FRP OR STAINLESS STEEL. REF FINISH PLAN.
7.21	R-19 BATT INSULATION.
7.29	2" EXTERIOR INSULATION AND FINISHING SYSTEM (EIFS).
7.29A	1" EXTERIOR INSULATION AND FINISHING SYSTEM (EIFS).
7.60	METAL FLASHING
7.90	BACKER ROD AND SEALANT.
7.92	CONTINUOUS SEALANT.
8.01	DRIP EDGE.
8.02	HOLLOW METAL FRAME ANCHOR.
8.11	HOLLOW METAL DOOR AND FRAME.
8.40	ALUMINUM STOREFRONT WINDOW SYSTEM WITH 1" INSULATED TEMPERED GLASS.
8.43	DRIVE-THRU WINDOW. GENERAL CONTRACTOR TO COORDINATE INSTALLATION.
8.70	THRESHOLD.
9.02	OPENING IN WALL.
9.14	STAINLESS STEEL METAL CAP BY KEC.
9.15	STAINLESS STEEL TRANSITION STRIP.
9.20	5/8" GYPSUM BOARD.
9.31	CERAMIC WALL TILE.
9.41	CERAMIC TILE COVE BASE.
9.42	QUARRY TILE COVE BASE.
9.61	CERAMIC FLOOR TILE.
9.62	QUARRY FLOOR TILE.
9.66	4" VINYL BASE.
9.78	STAINLESS STEEL WALL TRIM.

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NO.	DATE	REVISION DESCRIPTION

SEAL:

STATE OF CALIFORNIA
DANIEL BRIAN GOALWIN
C-18665
REG. NUMBER
LICENSED ARCHITECT

CLIENT:
SATER OIL GROUP, INC.
683 CLIFFSIDE DRIVE SAN DIMAS, CA 91773
909-293-7588

DEVELOPMENT INFORMATION:
STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:
SWC CHILDS AVE & PARSONS ST
MERCED, CALIFORNIA

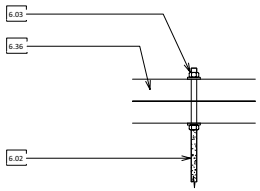
DESIGNED BY:
CHECKED BY:
DRAWN BY:
VERSION: - -
PROJECT NO: 17655

DRAWING TITLE:
TYPICAL DETAILS

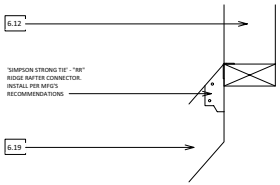
SHEET NO:
A-701

KEYNOTES

1.02	GRAPHIC MESSAGE ON FACE OF SOFFIT. COORDINATE LOCATION WITH GRAPHIC VENDOR.
6.11	2x4 WOOD STUDS @ 16" O.C.
6.12	WOOD TRUSS. REF STRUCTURAL.
6.17	1/2" EXTERIOR-GRADE PLYWOOD WALL SHEATHING.
6.19	2x4 WOOD STUD BRACING.
9.03	INTERIOR CEILING SOFFIT.
9.13	2" X 1/8" METAL TRIM ON FINISH EDGE OF SOFFIT.
9.20	5/8" GYPSUM BOARD.
9.78	STAINLESS STEEL WALL PANEL M-7.
15.73	COMMERICAL VENTILATION HOOD. REF KITCHEN EQUIPMENT DRAWINGS.
16.72	FRAMED POCKET TO RECEIVE RECESSED LINEAR LIGHT FIXTURE.

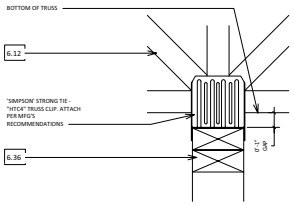


8 THREADED DETAIL
SCALE: 3" = 1'-0"



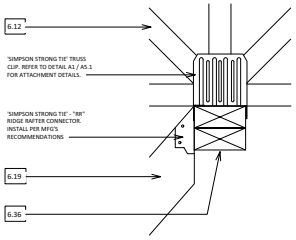
DIAGONAL BRACING PARALLEL TO ROOF TRUSS

7 ATTACHMENT DETAIL
SCALE: 3" = 1'-0"



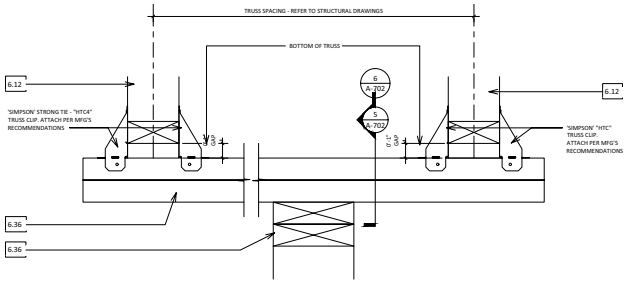
PERPENDICULAR TO ROOF TRUSS

6 ATTACHMENT DETAIL
SCALE: 3" = 1'-0"



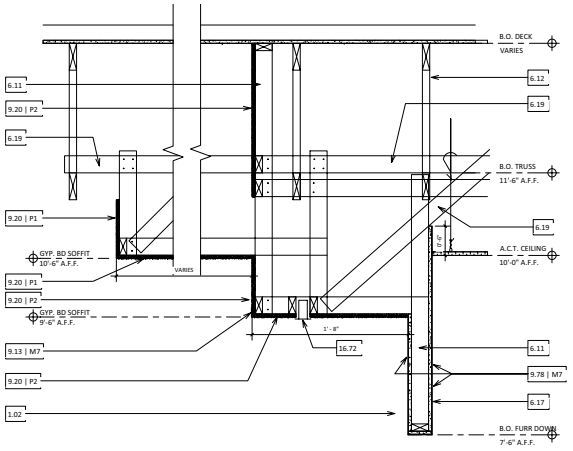
DIAGONAL BRACING PERPENDICULAR TO ROOF TRUSS

5 ATTACHMENT DETAIL
SCALE: 3" = 1'-0"



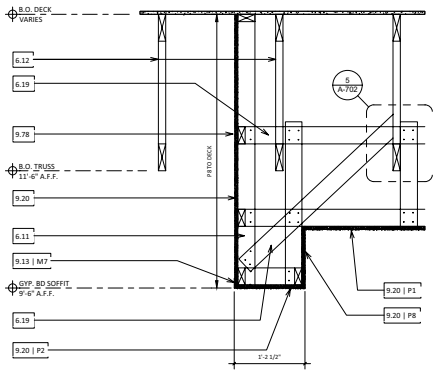
PARALLEL TO ROOF TRUSS

4 ATTACHMENT DETAIL
SCALE: 3" = 1'-0"

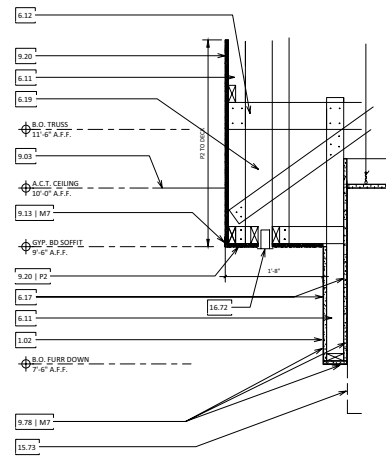


NOTE: LEAVE ENOUGH ROOM BETWEEN FRAMING FOR
AC DUCT. REFER MECH. FOR SIZE

3 SOFFIT DETAIL AT CEILING FIXTURE
SCALE: 1" = 1'-0"



2 FURR DOWN DETAIL
SCALE: 1" = 1'-0"



1 FURR DOWN DETAIL
SCALE: 1" = 1'-0"

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NO.	DATE	REVISION DESCRIPTION

SEAL:

STATE OF CALIFORNIA
DANIEL BRIAN GOALWIN
C-18865
REN. 6/30/17
LICENSED ARCHITECT

CLIENT:
SATER OIL GROUP, INC.
683 CLIFFSIDE DRIVE SAN
DIMAS, CA 91773
909-293-7588

DEVELOPMENT INFORMATION:
STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:
SWC CHILDS AVE & PARSONS ST
MERCED, CALIFORNIA

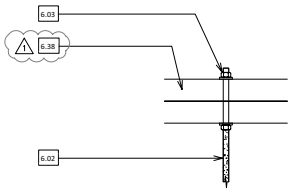
DESIGNED BY:
CHECKED BY:
DRAWN BY:
VERSION: - -
PROJECT NO: 17655

DRAWING TITLE:
CEILING DETAILS

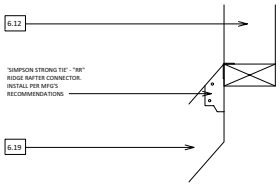
SHEET NO:
A-702

KEYNOTES

1.02	GRAPHIC MESSAGE ON FACE OF SOFFIT. COORDINATE LOCATION WITH GRAPHIC VENDOR.
6.02	1/2" THREADED ROD.
6.03	1/2" WASHER & BOLT.
6.11	2x4 WOOD STUDS @ 16" O.C.
6.12	WOOD TRUSS. REF STRUCTURAL.
6.17	1/2" EXTERIOR-GRADE PLYWOOD WALL SHEATHING.
6.19	2x4 WOOD STUD BRACING.
6.35	DOUBLE 2x4 WOOD STUDS @ 48" O.C. AS REQUIRED FOR PARTITION WALL OR SOFFIT SUPPORT.
6.36	DOUBLE 2x4 TOP PLATE.
6.38	DOUBLE 2x4 WOOD STUDS @ TO SPAN (2) ROOF TRUSSES MIN.
9.03	INTERIOR CEILING SOFFIT.
9.13	2" X 1/8" METAL TRIM ON FINISH EDGE OF SOFFIT.
9.20	5/8" GYPSUM BOARD.
9.78	STAINLESS STEEL WALL PANEL M-7.
15.73	COMMERICAL VENTILATION HOOD. REF KITCHEN EQUIPMENT DRAWINGS.
16.72	FRAMED POCKET TO RECEIVE RECESSED LINEAR LIGHT FIXTURE.

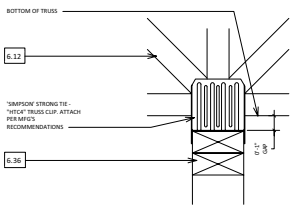


8 THREADED ROD DETAIL
SCALE: 3" = 1'-0"



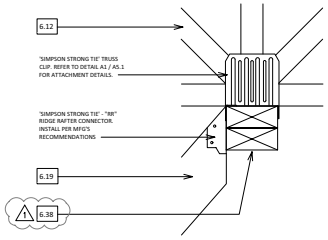
DIAGONAL BRACING PARALLEL TO ROOF TRUSS

7 ATTACHMENT DETAIL
SCALE: 3" = 1'-0"



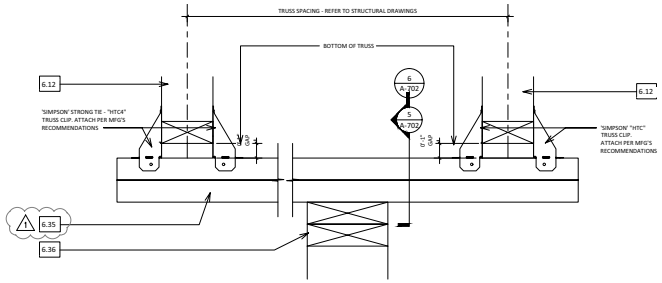
PERPENDICULAR TO ROOF TRUSS

6 ATTACHMENT DETAIL
SCALE: 3" = 1'-0"



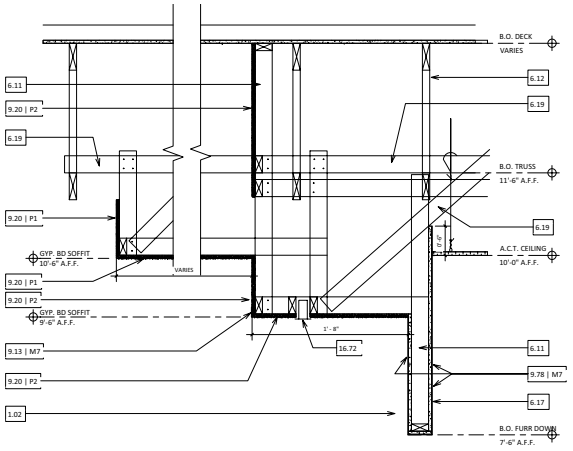
DIAGONAL BRACING PERPENDICULAR TO ROOF TRUSS

5 ATTACHMENT DETAIL
SCALE: 3" = 1'-0"



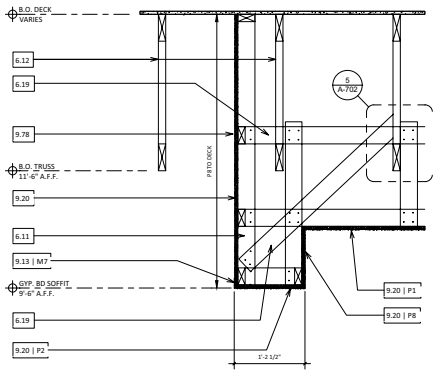
PARALLEL TO ROOF TRUSS

4 ATTACHMENT DETAIL
SCALE: 3" = 1'-0"

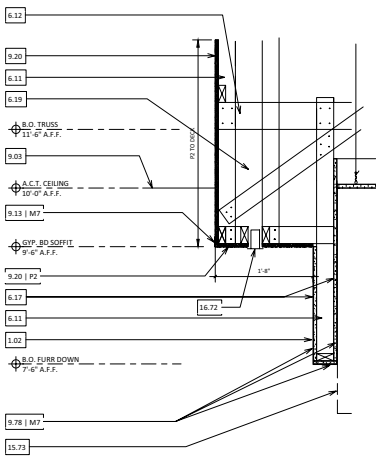


NOTE: LEAVE ENOUGH ROOM BETWEEN FRAMING FOR
AC DUCT. REFER MECH. FOR SIZE

3 SOFFIT DETAIL AT CEILING FIXTURE
SCALE: 1" = 1'-0"



2 FURR DOWN DETAIL
SCALE: 1" = 1'-0"



1 FURR DOWN DETAIL
SCALE: 1" = 1'-0"

BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVENUE SOUTH
KENT, WA 98032
(425)251-6222
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CIVIL ENGINEERING, LAND PLANNING, SURVEYING, ENVIRONMENTAL SERVICES

NO.	DATE	REVISION DESCRIPTION
1	7.15.16	BLDG PERMIT REVIEW

SEAL:

STATE OF CALIFORNIA
DANIEL BRIAN GOALWIN
C-18665
REN. 6/30/17
LICENSED ARCHITECT

CLIENT:
SATER OIL GROUP, INC.
683 CLIFFSIDE DRIVE SAN
DIMAS, CA 91773
909-293-7588

DEVELOPMENT INFORMATION:
STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:
SWC CHILDS AVE & PARSONS ST
MERCED, CALIFORNIA

DESIGNED BY:
CHECKED BY:
DRAWN BY:
VERSION:
PROJECT NO: 17655

DRAWING TITLE:
CEILING DETAILS

SHEET NO:
A-702

SPECIAL CONDITIONS

1. TENANT GENERAL CONTRACTOR (G.C.) SHALL VISIT THE JOB SITE PRIOR TO SUBMITTING BID. THE BID SHALL BE BASED UPON THE WORK INDICATED IN THE CONSTRUCTION DOCUMENTS AND UPON THE CONTRACTOR'S KNOWLEDGE OF AND FAMILIARITY WITH OWNER'S PROJECT DESIGN REQUIREMENTS AND PROJECT SITE EXISTING CONDITIONS. ANY DISCREPANCIES BETWEEN INFORMATION INDICATED IN THESE DRAWINGS AND CONTRACTOR'S UNDERSTANDING OF THE OWNER'S REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE ARCHITECT FOR RESOLUTION, OR G.C. SHALL BE RESPONSIBLE FOR ANY ADDITIONAL COST INCURRED.

2. DISCREPANCIES OR UNFORESEEN CIRCUMSTANCES FOUND DURING CONSTRUCTION ARE TO BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT IN WRITING. G.C. IS RESPONSIBLE FOR ALL PROBLEMS NOT ACCURATELY REFLECTED. DISCREPANCIES DURING CONSTRUCTION WILL BE HANDLED BY CHANGE ORDERS. G.C. TO SUBMIT TO THE ARCHITECT SKETCHES WITH NOTES AND DIMENSIONS OR NOTATED COPIES OF THE CONSTRUCTION DRAWING IN PART OR IN WHOLE TO ASSIST IN CLARIFYING ISSUES TO BE RESOLVED.

3. G.C. WILL BE RESPONSIBLE FOR ALL COSTS INCURRED FOR NONCOMPLIANCE WITH THESE CONTRACT DOCUMENTS. G.C. WILL NOT BE ALLOWED CHANGE ORDERS FOR PROBLEMS ARISING FROM G.C.'S NEGLECT OF THE PROVISIONS INCLUDED IN THESE CONDITIONS.

4. G.C. SHALL ACCOMPLISH ALL WORK IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES, AUTHORITIES HAVING JURISDICTION.

5. G.C. SHALL REMOVE ALL CONSTRUCTION RUBBISH, SCAFFOLDING, EQUIPMENT, TEMPORARY PROTECTION, TEMPORARY FIELD STRUCTURES, AND ANYTHING ELSE THAT WAS REQUIRED IN CONNECTION WITH THE CONSTRUCTION, BUT NOT A PERMANENT PART THEREOF.

6. G.C. SHALL MAINTAIN ORDERLY HOUSEKEEPING DURING THE PROCESS OF CONSTRUCTION, AND UPON COMPLETION SHALL THOROUGHLY CLEAN ALL AREAS. FINAL CLEANUP SHALL INCLUDE THE FOLLOWING: SWEEP, DAMP MOP, AND WAX RESILIENT FLOORING (SEE SPEC); DUST, DIRT, PAINT DRIPPINGS, OIL, GREASE, AND OTHER BLEMISHES SHALL BE CLEANED. REMOVED FROM ALL SURFACES, INCLUDING PIPING AND EQUIPMENT; WINDOWS, GLASS UNITS, GLASS DOORS AND MIRRORS SHALL BE PAINT OVERRUNS AND PUTTY SMEARS SHALL BE REMOVED; HARDWARE SHALL BE RUBBED CLEAN WITH A FLANNEL CLOTH AS APPLICABLE AND SHALL BE PERFORMED PER MANUFACTURER'S RECOMMENDATIONS.

7. MANUFACTURES ON SPECIFIED ITEMS ARE NOTED FOR QUALITY AND DESIGN. G.C. MAY SUBSTITUTE "EQUAL" PRODUCTS SUBJECT TO APPROVAL BY THE OWNER AND ARCHITECT IN WRITING UNLESS NOTED AS "NO SUBSTITUTIONS ALLOWED". G.C. IS ENCOURAGED TO SUBMIT ALTERNATIVE "EQUAL" PRODUCTS FOR CONSIDERATION OF THE ARCHITECT IN AN EFFORT TO REDUCE THE CONSTRUCTION COSTS. ALL REASONABLE REQUESTS WILL BE REVIEWED BY THE ARCHITECT FOR COMPLIANCE WITH THE INTENT OF THE PRODUCTS ORIGINALLY SPECIFIED.

8. ALL PRODUCT AND MATERIALS SHALL BE INSTALLED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS. G.C. SHALL INSTALLATION PROVIDE A COPY OF MANUFACTURER'S RECOMMENDATIONS TO THE OWNER.

9. APPLICABLE STANDARDS OF THE CONSTRUCTION INDUSTRY HAVE SOME FORCE AND EFFECT ON PERFORMANCE OF THE WORK AS IF COPIED DIRECTLY INTO CONTRACT DOCUMENTS OR BOUND AND PUBLISHED THEREWITH. COMPLY WITH STANDARDS IN EFFECT AS OF THE DATE OF CONTRACT DOCUMENTS, UNLESS OTHERWISE INDICATED.

10. ALL SCAFFOLDING SHALL BE BUILT IN ACCORDANCE WITH REQUIREMENTS OF ALL FEDERAL, STATE, AND LOCAL LAWS. ALL TEMPORARY SHORING REQUIRED FOR THE REMOVAL OF EXISTING WORK FOR THE INSTALLATION OF NEW WORK SHALL BE INCLUDED IN THE CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE FOR THIS WORK AND SHALL MAKE GOOD ANY DAMAGE CAUSED BY IMPROPER SUPPORT OR FAILURE OF SHORING IN ANY RESPECT.

11. G.C. SHALL PROVIDE AND MAINTAIN FULL INSURANCE AS REQUIRED BY THE GENERAL CONDITIONS. EVIDENCE OF INSURANCE SHALL BE PROVIDED TO THE OWNER BEFORE PAYMENTS SHALL COMMENCE TO THE CONTRACTOR.

12. UPON COMPLETION OF THE WORK, G.C. SHALL COMPILE AND DELIVER TO THE OWNER A COMPLETE SET OF RECORD DOCUMENTS. THIS SET OF DOCUMENTS SHALL CONSIST OF RECORD SPECIFICATIONS AND RECORD DRAWINGS SHOWING THE REPORTED LOCATION OF THE WORK, INCLUDING, BUT NOT LIMITED TO NAME, ADDRESS & PHONE NO'S OF ALL CONTRACTORS AND ALL BALANCE REPORTS, C.O.

13. DURING PERFORMANCE OF WORK, G.C. IS RESPONSIBLE FOR PROVISION AND MAINTENANCE OF WARNING SIGNS, LIGHT SIGNAL DEVICES, GUARD LIGHTS, BARRICADES, GUARD RAILS, FENCES AND OTHER DEVICES AS APPROPRIATELY LOCATED ON AND AROUND THE JOB SITE WHICH WILL GIVE PROPER AND UNDERSTANDABLE WARNING TO ALL PERSONS WITH REGARD TO HAZARDOUS CONDITIONS, EQUIPMENT AND OPERATION BEING PERFORMED IN CONJUNCTION WITH THE G.C.'S WORK. ALL WARNING DEVICES SHALL COMPLY WITH O.S.H.A. AND OTHER APPLICABLE GOVERNMENTAL REGULATIONS AS REQUIRED FOR THE CONSTRUCTION PROCEDURES AND CONDITIONS ENCOUNTERED.

14. IN SO FAR AS JOB SITE SAFETY IS CONCERNED, THE ARCHITECT IS RESPONSIBLE SOLELY FOR HIS OWN AND HIS EMPLOYEES' ACTIVITIES ON THE JOB SITE, BUT THIS SHALL NOT BE CONSTRUED TO RELIEVE THE OWNER OR ANY CONSTRUCTION CONTRACTORS FROM THEIR RESPONSIBILITIES FOR MAINTAINING A SAFE JOB SITE. NEITHER THE PROFESSIONAL ACTIVITIES OF THE ARCHITECT, NOR THE PRESENCE OF THE ARCHITECT OR HIS EMPLOYEES AND SUBCONTRACTORS, SHALL BE CONSTRUED TO IMPLY THE ARCHITECT HAS ANY RESPONSIBILITY FOR METHODS OF WORK PERFORMANCE, SUPERINTENDENT, SEQUENCING OF CONSTRUCTION, OR SAFETY IN, ON, OR ABOUT THE JOB SITE. THE OWNER AGREES THAT THE G.C. IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND WARRANTS THAT THE ARCHITECT SHALL BE MADE AN ADDITIONAL INSURED UNDER THE G.C.'S GENERAL LIABILITY INSURANCE POLICY.

15. THE OWNER'S REPRESENTATIVE SHALL REVIEW SHOP DRAWINGS SUBMISSIONS SOLELY FOR THEIR CONFORMANCE WITH THE ARCHITECT'S DESIGN INTENT AND CONFORMANCE WITH INFORMATION GIVEN IN THE CONSTRUCTION DOCUMENTS. THE OWNER'S REPRESENTATIVE SHALL NOT BE RESPONSIBLE FOR ANY ASPECTS OF A SHOP DRAWING SUBMISSION THAT AFFECT OR ARE AFFECTED BY THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND OPERATIONS OF THE CONSTRUCTION, SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO, ALL OF WHICH ARE THE CONTRACTOR'S RESPONSIBILITY. THE OWNER WARRANTS THAT THE CONTRACTOR SHALL BE MADE AWARE OF HIS RESPONSIBILITIES TO RE- VIEW SHOP DRAWINGS IN THESE RESPECTS BEFORE SUBMITTING THEM TO THE OWNER'S REPRESENTATIVE.

SECTION 01010 - SUMMARY OF WORK

A. EXISTING UTILITIES:

UTILITIES OF RECORD ARE SHOWN ON THE DRAWINGS INSOFAR AS IS FEASIBLE TO DO SO. HOWEVER, THEY ARE SHOWN FOR CONVENIENCE ONLY AND THE OWNER ASSUMES NO RESPONSIBILITY FOR IMPROPER LOCATIONS OR FAILURE TO SHOW UTILITY LOCATIONS ON THE DRAWINGS.

SECTION 01030 - SPECIAL PROJECT PROCEDURES

A. ADMINISTRATION OF CONTRACT

THE OWNER'S "CONSTRUCTION MANAGER" WILL ACT AS OWNER'S REPERSENTATIVE FOR PURPOSES OF ADMINISTRATION OF THE CONTRACT.

B. OWNER-FURNISHED ITEMS:

1. MANY ITEMS INDICATED ARE FURNISHED BY OWNER, INSTALLED BY CONTRACTOR (FOIC), OR FURNISHED BY OWNER AND INSTALLED BY OWNER (FOIO). SEE RESPONSIBILITY SCHEDULE FOR A COMPLETE LIST.

2. CONTACT OWNER'S CONSTRUCTION MANAGER FOR ADDITIONAL INFORMATION AND TO COORDINATE RESOLUTION OF ANY PROBLEMS CONCERNING FOIC ITEMS

C. BUILDING CODES AND STANDARDS:

1. ALL WORK TO CONFORM TO ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND ORDINANCES.

2. CONFORM TO LANDLORD REQUIREMENTS, AS STATED IN THEIR TENANT CRITERIA, REGARDING TYPE, LOCATION, AND LOADING OF ALL ITEMS UNDER THIS CONTRACT THAT ARE ATTACHED TO MALL STRUCTURE.

3. OBTAIN AND ACKNOWLEDGE RECEIPT OF THE TENANT CRITERIA AND BECOME FAMILIAR WITH ALL CONSTRUCTION RULES AND PROCEDURES AS SET FORTH BY THE LANDLORD AND AUTHORITIES HAVING JURISDICTION PRIOR TO COMMENCING WORK.

D. INSURANCE

PURCHASE AND MAINTAIN, PER ARTICLE 11 OF AIA GENERAL CONDITIONS, THE FOLLOWING INSURANCE:

1. WORKER'S COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE AS REQUIRED BY ANY EMPLOYEE BENEFIT ACT OR THE STATUTES APPLICABLE WHERE THE WORK IS TO BE PERFORMED, AS WILL PROTECT CONTRACTOR FROM ANY AND ALL LIABILITY UNDER THE AFOREMENTIONED ACTS, BUT NOT LESS THAN $2,000,000.

2. COMPREHENSIVE GENERAL LIABILITY INSURANCE (INCLUDING OWNER AND CONTRACTOR FOR FUTURE LIABILITY INSURANCE) WITH THE FOLLOWING LIMITS OF LIABILITY:

BODILY INJURY LIABILITY, EACH OCCURRENCE - $2,000,000
BODILY INJURY LIABILITY, AGGREGATE - $2,000,000
PROPERTY DAMAGE LIABILITY, EACH OCCURRENCE - $500,000
PROPERTY DAMAGE LIABILITY, AGGREGATE - $500,000
PERSONAL INJURY LIABILITY, AGGREGATE - $2,000,000

SUCH INSURANCE SHALL PROVIDE FOR EXPLOSION AND COLLAPSE COVERAGE AND CONTRACTUAL LIABILITY COVERAGE, AND SHALL INSURE CONTRACTOR AGAINST ANY AND ALL CLAIMS FOR PERSONAL INJURY, INCLUDING DEATH RESULTING THEREFROM AND DAMAGE TO PROPERTY OF OTHERS, ARISING FROM ITS OPERATIONS UNDER THE CONTRACT, WHETHER SUCH OPERATIONS ARE PERFORMED BY CONTRACTOR OR BY ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY THE CONTRACTOR.

3. COMPREHENSIVE AUTOMOBILE LIABILITY INSURANCE INCLUDING THE OWNERSHIP, MAINTENANCE AND OPERATION OF ANY AUTOMOTIVE EQUIPMENT OWNED, HIRED, AND NOT OWNED IN THE FOLLOWING MINIMUM AMOUNTS:

BODILY INJURY LIABILITY, EACH PERSON - $500,000 BODILY
INJURY LIABILITY, AGGREGATE - $1,000,000 PROPERTY
DAMAGE LIABILITY, EACH OCCURRENCE - $500,000

SUCH INSURANCE SHALL INSURE CONTRACTOR AGAINST ANY AND ALL CLAIMS FOR BODILY INJURY, INCLUDING DEATH RESULTING THEREFROM AND DAMAGE TO THE PROPERTY OF OTHERS ARISING FROM ITS OPERATIONS UNDER ITS CONTRACT WITH OWNER, WHETHER SUCH OPERATIONS ARE PERFORMED BY CONTRACTOR OR BY ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY THE CONTRACTOR.

4. BUILDERS' RISK COMPLETED VALUE FORM AFFORDING "ALL RISKS OF PHYSICAL LOSS OR DAMAGE" ON ITS WORK IN THE PREMISES AS IT RELATES TO THE BUILDING IN WHICH THE PREMISES ARE LOCATED, NAMING THE INTERESTS OF GENERAL CONTRACTOR AND ALL SUBCONTRACTORS AS THEIR RESPECTIVE INTERESTS MAY APPEAR, WITHIN A RADIUS OF 100 FEET OF THE PREMISES. AMOUNT OF INSURANCE SHALL EQUAL ONE HUNDRED PERCENT (100%%%) OF THE REPLACEMENT COST.

5. GENERAL CONTRACTOR TO PROVIDE OWNER WITH "CERTIFICATE OF INSURANCE" PRIOR TO START OF CONSTRUCTION.

6. ALL SUCH INSURANCE POLICIES REQUIRED SHALL INCLUDE OWNER, ITS ARCHITECT, ITS GENERAL CONTRACTOR, SUBCONTRACTORS, AND LANDLORD AS ADDITIONAL INSURED; EXCEPT WORKER'S COMPENSATION INSURANCE, WHICH SHALL CONTAIN AN ENDORSEMENT WAIVING ALL RIGHTS OF SUBROGATION AGAINST THE LANDLORD, ITS ARCHITECT, ITS GENERAL CONTRACTOR, AND SUBCONTRACTORS. (CERTIFICATES SHALL NOT BE CANCELED OR ALLOWED TO EXPIRE WITHOUT AT LEAST THIRTY (30) DAYS PRIOR WRITTEN NOTICE TO LANDLORD, ARCHITECT AND OWNER.)

SECTION - 01312 PROJECT MEETINGS

A. PRECONSTRUCTION CONFERENCE

1. PRIOR TO COMMENCING CONSTRUCTION, ADMINISTER A PRECONSTRUCTION CONFERENCE TO DISCUSS THE METHODS PROPOSED TO PERFORM THE WORK WITH THE OWNER AND THE OWNER / REPRESENTATIVE.

2. ADDRESS SCHEDULING, UTILITY SHUTDOWN TIMES, DEMOLITION PROCEDURES, SHORING METHODS, PROTECTIVE ENCLOSURES, BARRICADING, CONSTRUCTION SEQUENCING, WORK TIMES, PUBLIC ACCESS, SECURITY, AND ALL OTHER CONSTRUCTION ISSUES WHICH WOULD AFFECT THE OPERATION, USE, AND APPEARANCE OF THE BUILDING.

B. PROGRESS MEETINGS:ATTEND PROGRESS MEETINGS CALLED BY THE OWNER/REPRESENTATIVE THROUGHOUT THE PROGRESS OF THE WORK.

C. CONVENE A PRE-INSTALLATION MEETING WHEN IT IS SPECIFIED FOR A CERTAIN PORTION OF THE WORK. REQUIRE ATTENDANCE OF ENTITIES DIRECTLY AFFECTING, OR AFFECTED BY, THE WORK OF THE SECTION.

SECTION - 01330 SUBMITTAL PROCEDURES

A. SUBMITTAL PROCEDURE

1. IDENTIFY DEVIATIONS FROM CONTRACT DOCUMENTS. LEAVE SPACE FOR CONTRACTOR AND OWNER / REPRESENTATIVE REVIEW STAMPS.

2. REVIEW AND SIGN EACH SUBMITTAL PRIOR TO SUBMITTAL TO THE OWNER / REPRESENTATIVE. UNSIGNED SUBMITTALS WILL BE RETURNED UNREVIEWED.

3. UNLESS SPECIFIED OTHERWISE, SUBMIT THE NUMBER OF SUBMITTALS THE CONTRACTOR REQUIRES, PLUS TWO THAT WILL BE RETAINED BY THE OWNER / REPRESENTATIVE AND THE OWNER.

4. TRANSMIT EACH ITEM TO THE OWNER / REPRESENTATIVE UNDER AIA FORM G810, UNLESS APPROVED OTHERWISE. INCLUDE PROJECT NAME, CONTRACTOR NAME, SUBCONTRACTOR OR SUPPLIER NAME, AND DRAWING SHEET, DETAIL NUMBER, OR SPECIFICATION SECTION NUMBER CORRESPONDING TO THE SUBMITTAL AS APPROPRIATE.

5. TRANSMIT IDENTICAL COPY, IN SAME QUANTITY, TO OWNER'S CONSTRUCTION MANAGER SIMULTANEOUSLY.

6. MAKE SUBMITTALS AS REQUIRED TO CAUSE NO DELAY IN THE WORK. ALLOW SUFFICIENT TIME FOR POSSIBLE REVISION AND RESUBMITTAL OF REJECTED SUBMITTALS. COORDINATE SUBMITTAL OF RELATED ITEMS. REVISE AND RESUBMIT REJECTED SUBMITTALS AS REQUIRED TO OBTAIN APPROVAL, IDENTIFYING CHANGES MADE SINCE PREVIOUS SUBMITTAL.

B. SHOP DRAWINGS, DESIGN-BUILD DRAWINGS, PRODUCT DATA AND SAMPLES:

1. NUMBER OF COPIES: UNLESS OTHERWISE SPECIFIED, SUBMIT TO THE OWNER / REPRESENTATIVE ONE LEGIBLE RIGHT-READING REPRODUCIBLE AND ONE COPY FOR REVIEW, EXCEPT THAT SHOP DRAWINGS 11"X17" OR SMALLER MAY BE SUBMITTED IN THE FORM OF TWO BLACKLINE OR ELECTROSTATIC BOND COPIES.

2. UNLESS SPECIFIED OTHERWISE, DRAWINGS SHALL SHOW QUANTITIES, MATERIALS, METHODS OF ASSEMBLY, ADJACENT CONSTRUCTION, DIMENSIONS, AND ALL OTHER APPROPRIATE INFORMATION TO FULLY ILLUSTRATE THE WORK.

3. MARK EACH COPY TO IDENTIFY APPLICABLE PRODUCTS, MODELS, OPTIONS AND OTHER DATA; SUPPLEMENT MANUFACTURE'S STANDARD DATA TO PROVIDE INFORMATION UNIQUE TO THE WORK.

4. SUBMIT THE NUMER OF COPIES THAT THE OWNER/ REPRESENTATIVE REQUIRES

5. SUBMIT SAMPLES AS SPECIFIED IN THE TECHNICAL SECTIONS.

6. INCLUDE IDENTIFICATION ON EACH SAMPLE GIVING FULL INFORMATION.

7. SUBMIT THREE SAMPLES, ONE OF WHICH WILL BE RETAINED BY THE OWNER / REPRESENTATIVE, UNLESS INDICATED OTHERWISE IN THE TECHNICAL SECTION.

C. CERTIFICATES: SUBMIT THE ORIGINAL SIGNED VERSION TO THE OWNER / REPRESENTATIVE.

SECTION - 01450 - QUALITY CONTROL

A. STANDARDS: COMPLY WITH INDUSTRY STANDARDS EXCEPT WHEN MORE RESTRICTIVE TOLERANCES OR SPECIFIED REQUIREMENTS INDICATE MORE RIGID STANDARDS OR MORE PRECISE WORKMANSHIP.

B. 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.

C. PERFORM WORK WITH PERSONS QUALIFIED TO PRODUCE WORKMANSHIP OF SPECIFIED QUALITY.

D. INSTALL PRODUCTS IN ACCORDANCE WITH THE MANUFACTURER / RECOMMENDATIONS. WHERE CONFLICT BETWEEN MANUFACTURER / RECOMMENDATIONS AND THE SPECIFIED REQUIREMENTS IS DISCOVERED, NOTIFY THE OWNER / REPRESENTATIVE IMMEDIATELY.

E. EXAMINATION PRIOR TO INSTALLATION:

1. 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 OWNER / REPRESENTATIVE IN WRITING OF CONDITIONS DETRIMENTAL TO THE PROPER AND TIMELY COMPLETION OF THE WORK.

2. DO NOT BEGIN INSTALLATION UNTIL ALL UNSATISFACTORY CONDITIONS ARE RESOLVED. BEGINNING WORK CONSTITUTES ACCEPTANCE OF SITE CONDITIONS AND RESPONSIBILITY FOR DEFECTIVE INSTALLATION CAUSED BY PRIOR OBSERVABLE CONDITIONS.

SECTION - 01500 - TEMPORARY FACILITIES AND CONTROLS

A. TEMPORARY UTILITIES:

1. PROVIDE TEMPORARY UTILITIES, SERVICES, AND CONSTRUCTION AS REQUIRED TO PERFORM THE WORK. COORDINATE ALL TEMPORARY FACILITIES AND CONTROLS WITH THE OWNER.

2. ELECTRICITY: CONNECT TO EXISTING SERVICE. OWNER WILL PAY COSTS OF ENERGY USED. TAKE MEASURES TO CONSERVE ENERGY

3. LIGHTING: PERMANENT LIGHTING MAY BE USED DURING CONSTRUCTION. PROVIDE ADDITIONAL TEMPORARY LIGHTING AS REQUIRED. MAINTAIN LIGHTING AND MAKE ROUTINE REPAIRS.

4. HEATING & VENTILATION: PERMANENT SYSTEM MAY BE USED. THE OWNER WILL PAY FOR THE COST OF ENERGY USED. MAINTAIN SYSTEM DURING OPERATION. PROVIDE ADDITIONAL TEMPORARY HEAT AS NECESSARY TO MAINTAIN CONDITIONS SUITABLE FOR CONSTRUCTION.

5. TELEPHONE: PROVIDE TEMPORARY TELEPHONE SERVICE DURING CONSTRUCTION.

6. WATER: UTILIZE EXISTING FACILITIES. OWNER WILL PAY FOR WATER USED.

7. SANITATION: EXISTING FACILITIES MAY BE USED BY CONSTRUCTION PERSONNEL PRIOR TO PROJECT TURNOVER, SUBJECT TO THOROUGH CLEANING AND REPAIR AS NECESSARY TO LEAVE FACILITIES IN NEW CONDITION. WHEN EXISTING FACILITIES ARE NOT OPERATIONAL OR ACCESSIBLE, PROVIDE SUITABLE PORTABLE SANITATION UNITS.

B. REQUIRED SITE EQUIPMENT

1. COPIER: CONTRACTOR'S PREFERENCE.

2. FACSIMILE MACHINE: CONTRACTOR'S PREFERENCE. CONNECT TO PUBLIC PHONE LINES AS REQUIRED FOR COMMUNICATION WITH OWNER / REPRESENTATIVE / OFFICE AND CONTRACTOR'S HOME OFFICE.

3. COMPUTERS: PC'S MUST BE EQUIPPED TO ADEQUATELY PERFORM ELECTRONIC CONSTRUCTION ADMINISTRATION TASKS AS DIRECTED BY THE OWNER AND THE OWNER / REPRESENTATIVE. SYSTEM SHALL INCLUDE ASSOCIATED PRINTER(S). AT LEAST ONE PRINTER SHALL HAVE 11 X 17 INCH GRAPHICS CAPABILITY.

4. WINDOWS (CURRENT VERSIONS) & MICROSOFT OFFICE (CURRENT VERSIONS) FOR EACH COMPUTER.

5. AN INTERNET SERVICE PROVIDER ACCOUNT (ISP), A HIGHSPEED, BROADBAND INTERNET CONNECTION, AND COMPONENTS TO FACILITATE THE NETWORKING OF THE COMPUTERS.

6. ADOBE ACROBAT EXCHANGE (CURRENT VERSIONS), AT LEAST ONE STATION FOR INITIATING DOCUMENTS.

7. ADOBE ACROBAT READER (CURRENT VERSIONS) FOR EACH COMPUTER. (FREE SOFTWARE)

8. CELLULAR PHONE WITH NATIONAL ACCESS PLAN.

C. CONTROLS

1. DUST CONTROL: PROVIDE METHODS TO PREVENT DUST FROM PENETRATING INTO THE ATMOSPHERE, OCCUPIED SPACES, AND OTHER AREAS THAT WOULD BE ADVERSELY AFFECTED BY DUST.

2. WATER CONTROL: COMPLY WITH APPLICABLE JURISDICTIONAL REQUIREMENTS REGARDING WATER USAGE, CONSERVATION, DETENTION, POLLUTION, AND PERMITS.

3. SAFETY BARRIERS: PROVIDE AND MAINTAIN, ALL LAWFUL AND NECESSARY BARRICADES, RAILINGS, LIGHTS, WARNING SIGNS, SIGNALS, AND PRECAUTIONS AS MAY BE REQUIRED TO SAFEGUARD PERSONS, FROM INJURY.

4. SMOKING: SMOKING SHALL BE PROHIBITED IN ALL INTERIOR SPACES.

5. NOISE:

5.1. USE SAWS AND HYDRAULIC IMPACTOR EQUIPMENT INSTEAD OF PNEUMATIC TOOLS AND COMPRESSORS TO REDUCE NOISE.

5.2. EQUIPMENT SHALL BE MUFFLED FOR QUIET OPERATION NOT TO EXCEED 50 DECIBELS AT A DISTANCE OF 20 FEET FROM THE SOURCE.

5.3. PORTABLE STEREO EQUIPMENT SHALL BE INAUDIBLE FROM OCCUPIED SPACES DURING BUSINESS HOURS

D. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURES OF OPENINGS IN EXTERIOR SURFACES TO PROVIDE ACCEPTABLE WORKING CONDITIONS AND PROTECTION FOR MATERIALS, TO ALLOW FOR TEMPORARY HEATING, AND TO PREVENT ENTRY OF UNAUTHORIZED PERSONS. WHERE NECESSARY, PROVIDE DOORS WITH SELF-CLOSING HARDWARE & LOCKS. EXTERIOR ENCLOSURES SHALL BE SUFFICIENTLY WELL CONSTRUCTED TO PREVENT BLOW OFF DURING INCLEMENT WEATHER, AND SHALL BE SEALED TIGHT TO PREVENT WATER PENETRATION AND EXCESSIVE AIR INFILTRATION.

E. MAINTAIN PEDESTRIAN AND VEHICULAR ACCESS TO THE SITE AND WITHIN THE SITE TO PROVIDE FOR EMERGENCY VEHICLE ACCESS AND TO FACILITATE THE ADJACENT BUSINESS OPERATIONS.

F. TEMPORARY CONSTRUCTION:

1. OBTAIN APPROVAL FROM OWNER FOR ALL MODIFICATIONS TO EXISTING SYSTEMS OR FACILITIES NOT INDICATED.

2. REMOVE TEMPORARY SYSTEMS OR FACILITIES WHEN USE IS NO LONGER REQUIRED. CLEAN AND REPAIR DAMAGE CAUSED BY INSTALLATION OR USE OF TEMPORARY SYSTEMS OR FACILITIES.

G. PROTECTION: PROTECT EXISTING AND NEW CONSTRUCTION FROM DAMAGE CAUSED BY CONSTRUCTION OPERATIONS; PROVIDE PROTECTIVE COVERING TO PROTECT SURFACES, AS APPROPRIATE.

H. CONSTRUCTION CLEANING:

1. CONTROL ACCUMULATION OF WASTE MATERIALS AND RUBBISH. DISPOSE OF WASTE OFF-SITE AS APPROVED BY THE OWNER TO MAINTAIN A CLEAN SITE.

2. MAINTAIN AREAS FREE OF DUST AND OTHER CONTAMINANTS DURING FINISHING OPERATIONS.

3. MAINTAIN ALL OCCUPIED SPACES FREE OF DUST AND OTHER CONTAMINANTS PRIOR TO DAILY BUSINESS OPERATIONS. CLEANING SHALL INCLUDE VACUUMING, DUSTING, STAIN AND DIRT REMOVAL, AND CLEANING OF GLASS FURNITURE, AND OTHER SURFACES.

SECTION - 01600 PRODUCT REQUIREMENTS

A. DELIVERY, STORAGE AND HANDLING:

1. TRANSPORT AND HANDLE PRODUCTS BY METHODS TO AVOID PRODUCT DAMAGE.

2. MANUFACTURED PRODUCTS SHALL REMAIN IN MANUFACTURER'S CONTAINERS OR PACKAGING, UNTIL READY FOR INSTALLATION.

3. UNLESS SPECIFIED OTHERWISE, STORE PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

B. PRODUCT OPTIONS AND SUBSTITUTIONS:

1. WHERE SPECIFICATIONS INDICATE A SINGLE PROPRIETARY PRODUCT, SUBSTITUTIONS WILL NOT BE CONSIDERED. FURNISH PRODUCTS SPECIFIED, EXCEPT WHERE "OR APPROVED" IS USED.

2. SUBSTITUTIONS WILL BE CONSIDERED ONLY FOR THE FOLLOWING REASONS:

2.1. A PRODUCT BECOMES UNAVAILABLE DUE TO NO FAULT OF THE CONTRACTOR.

2.2. SUBSEQUENT INFORMATION OR CHANGES INDICATE THAT THE SPECIFIED PRODUCT WILL NOT PERFORM AS INTENDED.

3. DOCUMENT EACH SUBSTITUTION REQUEST WITH COMPLETE DATA SUBSTANTIATING COMPLIANCE OF PROPOSED SUBSTITUTION WITH CONTRACT DOCUMENTS. REQUESTS FOR SUBSTITUTION SHALL BE MADE IN WRITING TO THE ARCHITECT ON DOCUMENT 01601 - SUBSTITUTION REQUEST FORM, AVAILABLE SEPARATELY UPON REQUEST. LIMIT EACH REQUEST TO ONE PROPOSED PRODUCT OR SYSTEM. FOR SUBSTITUTIONS PRIOR TO AGREEMENT, SIGNATURE AND PROJECTED COST DATA ARE NOT REQUIRED.

4. A SUBSTITUTION REQUEST CONSTITUTES A REPRESENTATION THAT CONTRACTOR:

4.1. HAS INVESTIGATED PROPOSED PRODUCT AND HAS DETERMINED THAT IT MEETS OR EXCEEDS, IN ALL RESPECTS, THE SPECIFIED PRODUCT.

4.2. SHALL PROVIDE THE SAME WARRANTY FOR SUBSTITUTION AS FOR SPECIFIED PRODUCT.

4.3. WILL COORDINATE INSTALLATION AND MAKE OTHER CHANGES THAT MAY BE REQUIRED FOR WORK TO BE COMPLETE IN ALL RESPECTS.

4.4. WAIVES CLAIMS FOR ADDITIONAL COSTS THAT MAY SUBSEQUENTLY BECOME APPARENT.

4.5. AGREES TO PAY ALL COSTS OF REDESIGN RELATED TO THE SUBSTITUTION.

5. SUBSTITUTIONS WILL NOT BE CONSIDERED WHEN THEY ARE INDICATED OR IMPLIED ON SHOP DRAWINGS OR PRODUCT DATA SUBMITTALS.

6. ARCHITECT AND OWNER WILL DETERMINE ACCEPTABILITY OF PROPOSED SUBSTITUTION, AND WILL NOTIFY CONTRACTOR OF ACCEPTANCE OR REJECTION WITHIN A REASONABLE TIME.

C. GENERAL PRODUCT INSTALLATION REQUIREMENTS: PERFORM WORK IN ACCORD WITH MANUFACTURER'S INSTRUCTIONS. DO NOT OMIT ANY PREPARATORY STEP OR INSTALLATION PROCEDURE UNLESS SPECIFICALLY MODIFIED OR EXEMPTED BY CONTRACT DOCUMENTS.

SECTION 01700 - PROJECT CLOSEOUT

A. FINAL CLEANING:

CLEAN IN ACCORDANCE WITH EXCELLENT HOUSEKEEPING PRACTICES. REMOVE GREASE, MASTIC, ADHESIVES, DUST, DIRT, STAINS, FINGERPRINTS, LABELS, AND OTHER FOREIGN MATERIALS FROM SIGHT-EXPOSED SURFACES. CLEAN AND SHINE STOREFRONT GLAZING AND MIRRORS. POLISH GLOSSY SURFACES TO SHINE CLEARLY. VERIFY ENTIRE WORK HAS BEEN CLEANED.

B. MATERIALS AND MAINTENANCE MANUALS:

MANUALS TO INCLUDE OPERATION AND MAINTENANCE INSTRUCTIONS AND A COMPLETE PARTS LISTS AS FURNISHED BY MANUFACTURER FOR ALL SYSTEMS, EQUIPMENT, FIXTURES. FURNISH FINISHED COPIES IN AN OVERSIZED ENVELOPE, OVERSIZED DRAWINGS ACCORDION-FOLDED. INCLUDE TYPEWRITTEN INDEX AND TABBED DIVIDERS BETWEEN CATEGORIES.

C. EXTRA STOCK: TURN OVER EXTRA STOCK SPECIFIED IN TECHNICAL SECTIONS TO OWNER'S REPRESENTATIVE. STORE ITEMS WHERE DIRECTED.

D. THE FOLLOWING WORK CONSTITUTES SUBSTANTIAL COMPLETION:

1. ALL CONSTRUCTION TO BE COMPLETE, READY FOR USE FOR WHICH THE PROJECT IS INTENDED.

2. ALL CLEANING , VACUUMING AND DUSTING COMPLETE

3. ALL DEBRIS, SCAFFOLDS, LADDERS, TOOLS AND EQUIPMENT REMOVED FROM SITE.

4. MECHANICAL: ALL SYSTEMS IN OPERATING CONDITION, ALL CONTROLS, DIFFUSERS AND REGISTERS COMPLETE; SYSTEMS BAL- ANCED (BALANCING REPORT REQUIRED FOR PUNCHLIST INSPECTION); MAINTENANCE DATA.

5. ELECTRICAL: ALL SYSTEMS IN OPERATING CONDITION, COMPLETE WITH TRIM; ALL LIGHT FIXTURES OPERABLE WITH LAMPS AND LENSES; MAINTENANCE DATA.

6. CERTIFICATE OF OCCUPANCY OBTAINED FROM LOCAL AGENCIES.

7. LANDLORD APPROVAL TO OPEN UNIT FOR BUSINESS.

E. GENERAL CONTRACTOR TO LEAVE 20 CU. YD. DUMPSTER AFTER SUBSTANTIAL COMPLETION FOR RETAIL OPERATIONS TO DISPOSE OF MERCHANDISING TRASH WHEN STOCKING STORE. GC RESPONSIBLE FOR TWO (2) DUMP FEES AS WELL AS HAVING DUMPSTER PERMANENTLY REMOVED.

F. AS-BUILT DOCUMENTS MUST BE SUBMITTED TO OWNER PRIOR TO APPROVAL OF LAST PAYMENT. THIS IS A PUNCHLIST ITEM.

SECTION - 05400 COLD FORMED METAL FRAMING

A. SUMMARY: LIGHT GAGE COLD FORMED METAL FRAMING INDICATED ON THE DRAWINGS.

B. QUALITY ASSURANCE:

1. THE WORK OF THIS SECTION IS SUBJECT TO TESTING AND INSPECTION AS SPECIFIED IN 01450.

2. FOR WELDED CONNECTIONS, USE ONLY AWS CERTIFIED WELDERS.

3. REGULATORY REQUIREMENTS: FRAMING SYSTEM SHALL MEET THE REQUIREMENTS OF THE JURISDICTIONAL CODE AUTHORITIES.

C. COMPONENTS:

1. COLD FORMED LIGHT-GAGE STEEL FRAMING: AS INDICATED ON THE STRUCTURAL DRAWINGS; G60 ZINC COATED FINISH IN ACCORDANCE WITH ASTM C653.

2. SCREWS: ASTM C954; SELF-DRILLING, SELF-TAPPING; PAN HEAD; GALVANIZED OR FLUOROPOLYMER COATED STEEL.

3. ZINC RICH TOUCH-UP PAINT: "GALV-WELD", "GALVICAN","ZRC COLD GALVANIZED COMPOUND", OR APPROVED.

D. INSTALLATION

1. INSTALL LIGHTGAGE STRUCTURAL FRAMING IN ACCORDANCE WITH ASTM C1007, UNLESS INDICATED OR SPECIFIED OTHERWISE.

2. ERECT METAL FRAMING AS INDICATED.

3. WELDS SHALL BE IN ACCORDANCE WITH AWS D1.3.

4. METAL FRAMING MEMBERS SHALL BE SAW OR SHEAR CUT. NO TORCH CUTTING IS PERMITTED.

5. CONSTRUCT CORNERS WITH A MINIMUM OF 3 STUDS PER CORNER.

6. FRAME BOTH SIDES OF EXPANSION AND SEISMIC JOINTS. DO NOT BRIDGE JOINTS WITH SYSTEM COMPONENTS OR ACCESSORIES.

7. PROVIDE FRAMING AS REQUIRED TO FORM SOLID BACKING FOR ALL EDGES OF GYPSUM SHEATHING, AND TRIM ACCESSORIES.

8. TOLERANCES:

8.1. PLUMBNESS: PLUMB WITHIN 1/8 INCH IN 10 FEET.

8.2. LOCATION: LOCATED WITHIN 1/4 INCH OF THE REQUIRED LOCATION.

8.3. ALIGNMENT: STUD AND RUNNER FACES TO RECEIVE FINISH

8.4. MATERIALS SHALL NOT VARY GREATER THAN 1/8 INCH FROM THE REQUIRED PLANE, WITH NO ABRUPT JOGS OR BREAKS IN PLANE.

8.5. LEVEL: LEVEL WITHIN 1/8 INCH IN 10 FEET.

9. ERECT MEMBERS IN ONE-PIECE FULL LENGTH. SPLICING AND WIRE TYING OF FRAMING COMPONENTS SHALL NOT BE USED.

10. TOUCH-UP FIELD WELDS AND SCRATCHED OR DAMAGED GALVANIZING WITH ZINC RICH PAINT.

11. TOUCH-UP FIELD WELDS AND SCRATCHED OR DAMAGED GALVANIZING WITH ZINC RICH PAINT.

12. INSTALL FRAMING BETWEEN STUDS FOR ATTACHMENT OF ELECTRICAL BOXES AND OTHER MECHANICAL AND ELECTRICAL ITEMS.

SECTION - 06100 ROUGH CARPENTRY (USE ONLY NON-COMBUSTIBLE BLOCKING IN CONCEALED SPACES

PART 1 GENERAL

1.1 SUMMARY

A. SECTION INCLUDES:

1. WOOD FURRING FOR WALL FINISHES.

2. FLASHINGS. BLOCKING AND NAILERS FOR ROOFING SYSTEM AND RELATED METAL

3. PRESERVATIVE TREATMENT OF WOOD.

4. CONCEALED WOOD BLOCKING FOR SUPPORT OF TOILET AND BATH ACCESSORIES, WALL CABINETS, WOOD TRIM, AND OTHER BLOCKING BEHIND WALL MOUNTED ITEMS.

5. PLYWOOD/PANEL PRODUCTS.

6. STRUCTURAL WALL, AND ROOF FRAMING.

7. WALL SHEATHING.

8. ROOF SHEATHING.

9. SILL GASKETS AND FLASHINGS.

10. MISCELLANEOUS FRAMING AND SHEATHING.

11. TELEPHONE AND ELECTRICAL PANEL BACK BOARDS.

B. RELATED DOCUMENTS: THE CONTRACT DOCUMENTS, AS DEFINED IN THE GENERAL CONDITIONS, APPLY TO THE WORK OF THIS SECTION. ADDITIONAL REQUIREMENTS AND INFORMATION NECESSARY TO COMPLETE THE WORK OF THIS SECTION MAY BE FOUND IN OTHER DOCUMENTS.

1.2 REFERENCES

A. AMERICAN LUMBER STANDARDS COMMITTEE (ALSC):

1. SOFTWOOD LUMBER STANDARDS.

B. APA ENGINEERED WOOD ASSOCIATION (APA):

1. GRADES AND STANDARDS.

C. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):

1. ASTM A123 - SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS.

2. ASTM A307 - SPECIFICATION FOR CARBON STEEL BOLTS AND STUDS, 60,000 PSI TENSILE STRENGTH.

3. ASTM E84 - TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS.

D. AMERICAN WOOD PRESERVERS ASSOCIATION (AWPA):

1. AWPA - C1 - ALL TIMBER PRODUCTS - PRESERVATIVE TREATMENT BY PRESSURE PROCESSES.

2. AWPA - C15 - WOOD FOR COMMERCIAL-RESIDENTIAL CONSTRUCTION PRESERVATIVE TREATMENT BY PRESSURE PROCESSES.

4. AWPA - M4 - CARE OF PRESERVATIVE TREATED WOOD PRODUCTS.

5. AWPA - P5 - WATER BORNE PRESERVATIVES.

E. NATIONAL FOREST PRODUCTS ASSOCIATION (NFPA):

1. NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (AND SUPPLEMENT).

F. NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST):

1. VOLUNTARY PRODUCT STANDARD PS 1 - STRUCTURAL PLYWOOD.

2. VOLUNTARY PRODUCT STANDARD PS 2 - PERFORMANCE STANDARD FOR WOOD-BASED STRUCTURAL-USE PANELS.

3. VOLUNTARY PRODUCT STANDARD PS 20 - AMERICAN SOFTWOOD LUMBER STANDARD.

G. SOUTHERN PINE INSPECTION BUREAU (SPIB):

1. GRADING RULES.

H. AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC)

1. DESIGN SOURCE

I. WESTERN WOODS PRODUCTS ASSOCIATION (WWPA)

1. DESIGN SOURCE

J. WEST COAST LUMBERMAN'S INSPECTION BUREAU (WCLIB).

1. GRADING RULES.

1.3 QUALITY ASSURANCE

A. LUMBER GRADING AGENCY: LUMBER TO BE GRADE STAMPED BY AN AGENCY CERTIFIED BY THE BOARD OF REVIEW OF THE AMERICAN LUMBER STANDARDS COMMITTEE (ALSC).

B. PLYWOOD GRADING AGENCY: CERTIFIED BY APA.

1.4 DELIVERY, STORAGE AND HANDLING

A. PROVIDE PROPER FACILITIES FOR HANDLING AND STORAGE OF MATERIALS TO PREVENT DAMAGE TO EDGES, ENDS AND SURFACES.

B. KEEP MATERIALS DRY. STACK MATERIALS OFF GROUND A MINIMUM OF 12 INCHES OR IF ON CONCRETE SLAB-ON-GRADE A MINIMUM OF 1-1/2 INCHES, FULLY PROTECTED FROM WEATHER.

PART 2 PRODUCTS

2.1 MATERIALS

A. LUMBER: VOLUNTARY PRODUCT STANDARD PS 20. MAXIMUM OF 19 PERCENT MOISTURE CONTENT, SURFACED DRY, GRADED UNDER SPIB GRADING RULES.

B. BACKING FOR ELECTRICAL AND TELEPHONE EQUIPMENT: APA-RATED PLYWOOD, C-D PLUGGED, EXPOSURE 1.

1. THICKNESS: 3/4 INCH.

2.2 SHEATHING

A. WOOD SHEATHING:

1. ALL WOOD SHEATHING SHALL BE MANUFACTURED BY A MEMBER COMPANY OF APA - THE ENGINEERED WOOD ASSOCIATION, AND EACH PANEL SHALL BEAR THE APA TRADEMARK INDICATING ITS UNIQUE MATERIAL PROPERTIES. ALL PLYWOOD USED ON EXTERIOR SURFACES SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF VOLUNTARY PRODUCT STANDARD PS 1, "STRUCTURAL PLYWOOD," BY THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST). ALL OTHER WOOD SHEATHING SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF VOLUNTARY PRODUCT STANDARD PS 2, "PERFORMANCE STANDARD FOR WOOD-BASED STRUCTURAL-USE PANELS," BY NIST.

2. WHERE EXPOSURE RATING OR SPAN RATING IS NOT GIVEN IN THE CONTRACT DRAWINGS, PROVIDE EXPOSURE 1 AND RATING REQUIRED TO SUIT SUPPORT MEMBER SPACING INDICATED ON DRAWINGS.

3. PROVIDE PANELS WITH TONGUE AND GROOVE EDGES WHERE SPECIFIED IN THE CONTRACT DRAWINGS.

4. EXTERIOR WOOD SHEATHING: PANELS SHALL BE EXPOSURE 1 WITH THICKNESS AS SPECIFIED IN THE CONTRACT DRAWINGS.

a. ROOFS AND OTHER EXTERIOR HORIZONTAL OR SLOPED SURFACES: 5-PLY PLYWOOD WITH GRADE AND SPAN RATING AS SPECIFIED IN THE CONTRACT DRAWINGS. WHERE MULTIPLE LAYERS OF PLYWOOD NO THICKER THAN 3/8 INCH ARE USED TO SHEATHE CURVED SURFACES, PANELS SHALL BE MINIMUM 3-PLY.

b. WALLS: STRUCTURAL-USE WALL PANELS COVERED IN VOLUNTARY PRODUCT STANDARD PS 2.

c. SHEATHING TO BE TREATED WITH PRESERVATIVE OR FIRE-RETARDANT CHEMICALS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 2.5, "WOOD TREATMENT," AND SHALL BE USED ONLY WHERE SPECIFIED IN THE CONTRACT DRAWINGS.

B. WATER-RESISTANT CORE GYPSUM SHEATHING BOARD: ASTM C79; THICKNESS AS INDICATED ON DRAWINGS, 24 OR 48 INCH WIDTH, MAXIMUM PERMISSIBLE LENGTH; ENDS STRAIGHT AND SOLID, EDGES SQUARE. WATER-RESISTANT CORE GYPSUM SHEATHING TO HAVE A WATER-RESISTANT MATERIAL INCORPORATED IN THE CORE. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING:

1. "CENTEX AMERICAN GYPSUM SHEATHING," CENTEX AMERICAN GYPSUM CO.

2. "GYPROC GYPSUM SHEATHING," DOMTAR GYPSUM CO.

3. "G-P GYPSUM SHEATHING," GEORGIA-PACIFIC CORP.

4. "GOLD BOND GYPSUM SHEATHING," GOLD BOND BUILDING PRODUCTS DIV., NATIONAL GYPSUM CO.

5. "USG GYPSUM SHEATHING," UNITED STATES GYPSUM CO.

2.3 ACCESSORIES

A. FASTENERS: PROVIDE MANUFACTURERS RECOMMENDED POWER TOOLS FOR EACH TYPE OF FASTENER.

1. NAILS, SPIKES AND STAPLES: ASTM A123, GALVANIZED FOR EXTERIOR LOCATIONS, HIGH HUMIDITY AREAS, AND TREATED WOOD; PLAIN FINISH FOR OTHER INTERIOR LOCATIONS; SIZE AND TYPE TO SUIT APPLICATION, UNLESS OTHERWISE NOTED.

2. BOLTS, NUTS, WASHERS, LAG SCREWS, AND WOOD SCREWS: ASTM A307, MEDIUM CARBON STEEL; SIZE AND TYPE TO SUIT APPLICATION; GALVANIZED FOR EXTERIOR LOCATIONS, HIGH HUMIDITY AREAS, AND TREATED WOOD; PLAIN FINISH FOR OTHER INTERIOR LOCATIONS, OF SIZE AND TYPE TO SUIT APPLICATION, UNLESS OTHERWISE NOTED.

3. EXPANSION SHIELD FASTENERS: FOR ANCHORAGE OF NON-STRUCTURAL ITEMS TO SOLID MASONRY AND CONCRETE.

4. POWDER OR PNEUMATICALLY ACTIVATED FASTENERS: FOR ANCHORAGE OF NON-STRUCTURAL ITEMS TO STEEL.

B. ROOF SHEATHING FASTENERS: GALVANIZED FOR EXTERIOR, HIGH HUMIDITY, AND TREATED WOOD LOCATIONS; PLAIN FINISH ELSEWHERE; SIZE AND TYPE TO SUIT CONDITION UNLESS OTHERWISE NOTED ON CONTRACT DOCUMENTS.

2.4 WOOD TREATMENT

A. PRESERVATIVE PRESSURE-TREATED LUMBER:

1. MANUFACTURERS:

a. "WOLMANIZED PRESSURE-TREATED WOOD", WOLMAN CCA TYPE C, BY HICKSON CORPORATION; ATLANTA, GA; (404) 801-6600.

b. CCA PRESSURE TREATED LUMBER TYPE C, BY HOOVER TREATED WOOD PRODUCTS, INC.; THOMSON, GA; (800) 832-9663.

2. IMPREGNATE LUMBER WITH PRESERVATIVE TREATMENT CONFORMING TO AWPA STANDARD C1 AND P5. APPLY THE PRESERVATIVE IN A CLOSED CYLINDER BY PRESSURE PROCESS IN ACCORDANCE WITH AWPA STANDARD C15.

3. RETENTION OF DRY SALTS:

a. MODERATE SERVICE CONDITIONS (WEATHER EXPOSURE): 0.25 POUNDS PER CUBIC FOOT (OXIDE BASIS).

b. SEVERE CONDITIONS (CONSTANT CONTACT WITH GROUND OR WATER): 0.40 POUNDS PER CUBIC FOOT (OXIDE BASIS).

4. REMOVE EXCESS MOISTURE WHERE SHRINKAGE IS A SERIOUS FAULT OR WHERE TREATED LUMBER WILL BE IN CONTACT WITH PLASTER, OR EIFS, AND WHERE WATER-BORNE TREATED LUMBER IS TO BE PAINTED OR STAINED.

5. LUMBER SHALL BE DRIED TO 15-19 PERCENT MOISTURE CONTENT AFTER TREATMENT, AND MATERIAL TO BE PAINTED OR STAINED SHALL HAVE KNOTS AND PITCH STREAKS SEALED AS WITH UNTREATED WOOD.

FAMOUS FOR Steak 'n Shake STEAKBURGERS

BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVENUE SOUTH
KENT, WA 98032
(425)251-6222
(425)251-8782 FAX
CIVIL ENGINEERING, LAND PLANNING, SURVEYING, ENVIRONMENTAL SERVICES

NO.	DATE	REVISION DESCRIPTION
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SEAL:

STATE OF CALIFORNIA
DANIEL BRIAN GOALWIN
C-18865
REN. 8/31/17
LICENSED ARCHITECT

CLIENT:
SATER OIL GROUP, INC.
683 CLIFFSIDE DRIVE SAN DIMAS, CA 91773
909-293-7588

DEVELOPMENT INFORMATION:
STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:
SWC CHILDS AVE & PARSONS ST
MERCED, CALIFORNIA

DESIGNED BY:	
CHECKED BY:	
DRAWN BY:	
VERSION: -	PROJECT NO: 17655

DRAWING TITLE:
SPECIFICATIONS

SHEET NO:
A-801

6. LIBERALLY BRUSH FRESHLY CUT SURFACES, BOLT HOLES AND MACHINED AREAS WITH THE SAME PRESERVATIVE IN ACCORDANCE WITH AWPA STANDARD M4.

B. WOOD REQUIRING PRESSURE-TREATMENT:

1. LUMBER, PRESERVATIVE TREATED: NAILERS, BLOCKING, STRIPPING, AND SIMILAR ITEMS IN CONJUNCTION WITH ROOFING, FLASHING, AND OTHER CONSTRUCTION. SILL PLATES, BLOCKING, FURRING, STRIPPING, SLEEPERS AND SIMILAR ITEMS IN CONTACT WITH CONCRETE.

C. FIRE-RETARDANT TREATED LUMBER:

1. MANUFACTURERS:

a. "DRICON FIRE RETARDANT TREATED WOOD", BY ARCH WOOD PROTECTION, INC.; SMYRNA, GEORGIA; (866) 873-3789.

D. WOOD REQUIRING FIRE RETARDANT TREATMENT:

1. DIMENSION LUMBER OR PANELS ONLY AS SPECIFIED IN THE CONTRACT DRAWINGS.

PART 3 EXECUTION

3.1 EXAMINATION

A. EXAMINE AREAS TO RECEIVE ROUGH CARPENTRY WORK AND VERIFY FOLLOWING:

1. THAT INSTALLATION OF BUILDING COMPONENTS TO RECEIVE ROUGH CARPENTRY WORK IS COMPLETE.

2. THAT SURFACES ARE SATISFACTORY TO RECEIVE WORK.

3. THAT SPACING, DIRECTION AND DETAILS OF SUPPORTS ARE CORRECT TO ACCOMMODATE INSTALLATION OF BLOCKING, BACKING, STRIPPING, FURRING AND NAILING STRIPS.

3.2 SITE TREATMENT OF WOOD MATERIALS

A. RETREAT SITE SAWN ENDS WITH BRUSH APPLICATION ACCORDING TO MANUFACTURER'S INSTRUCTIONS. ALLOW PRESERVATIVE TO CURE PRIOR TO PLACING MEMBERS.

3.3 INSTALLATION

A. INSTALL MISCELLANEOUS BLOCKING, NAILING STRIPS, FRAMING, AND SHEATHING AS DETAILED ON DRAWINGS. COORDINATE TO ALLOW PROPER ATTACHMENT OF WORK OF OTHER SECTIONS.

1. SECURE WOOD BLOCKING, CANTS, NAILERS, IN PLACE USING FASTENERS SPECIFIED. USE ONLY RECOMMENDED POWER TOOLS FOR PLACEMENT OF FASTENERS.

2. RECESS HEADS OF FASTENERS BELOW SURFACE OF WOOD MEMBERS.

B. INSTALL MEMBERS TRUE TO LINE, PLUMB, AND LEVEL.

C. SECURE IN PLACE WITH APPROPRIATE FASTENERS. USE FASTENERS OF CORRECT SIZE THAT WILL NOT PENETRATE MEMBERS WHERE OPPOSITE SIDE WILL BE EXPOSED TO VIEW OR REQUIRE FINISHING. DO NOT SPLIT WOOD WITH FASTENERS; SET PANEL PRODUCTS TO ALLOW EXPANSION AT JOINTS.

D. DO NOT SPLICE STRUCTURAL MEMBERS BETWEEN SUPPORTS.

E. CONSTRUCT MEMBERS OF CONTINUOUS PIECES OF LONGEST POSSIBLE LENGTHS.

F. PLACE PLYWOOD ROOF SHEATHING AS SHOWN ON DRAWINGS. SECURE SHEETS OVER FIRM BEARING. PANEL END JOINTS SHALL OCCUR OVER FRAMING. ALLOW 1/8 INCH SPACING AT PANEL ENDS AND PANEL EDGES UNLESS OTHERWISE RECOMMENDED BY PANEL MANUFACTURER.

3.4 FIELD QUALITY CONTROL

A. SECTION 01400 - QUALITY CONTROL: PROCEDURES FOR INSPECTION OF WORK.

B. FRAMING INSPECTION:

1. INSPECT WOOD FRAMING INSTALLATION AND CONNECTIONS AT COMPLETION OF EACH PHASE OF WOOD CONSTRUCTION FOR CORRECT INSTALLATION, NAILING, CONNECTIONS, AND FASTENERS.

2. INSPECT AND VERIFY THAT TYPES AND SPACING OF FASTENERS ARE INSTALLED IN LOCATIONS SPECIFIED OR INDICATED ON DRAWINGS.

3. INSPECT TYPES, LOCATIONS, AND FASTENERS FOR STRUCTURAL METAL FRAMING CONNECTORS.

4. INSPECT WOOD TO STEEL BEAM CONNECTIONS.

C. CORRECT DEFICIENCIES IN WORK IF INSPECTION INDICATES WORK IS NOT IN COMPLIANCE WITH CONTRACT DOCUMENTS.

SECTION 06200 - FINISH CARPENTRY

B. DESCRIPTION OF SYSTEMS:

SEE "RESPONSIBILITY SCHEDULE" FOR ITEMS FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR (FOIC)

C. CODES AND STANDARDS:

AWI, QUALITY-STANDARDS AND GUIDE SPECIFICATIONS MANUAL.

D. ROUGH LUMBER AND PLYWOOD:

LUMBER HAVING MODULES OF ELASTICITY OF NOT LESS THAN 1,600,000 PSI AND ALLOWABLE FIBER STRESS OF MORE THAN 1400 PSI, IN STANDARD DIMENSIONS, MOISTURE CONTENT NOT MORE THAN 19%%%. FIRE TREATMENT OF ALL ROUGH LUMBER AND PLYWOOD IS AS FOLLOWS:

1. ROUGH LUMBER TREATED WITH PRESSURE FIRE RETARDANT PER AMERICAN WOOD PRESERVERS ASSOCIATION STANDARD AWPA C20, EACH PIECE TO BEAR U.L. LABEL, "FR-S"

2. PLYWOOD TREATED WITH PRESSURE FIRE RETARDANT PER AMERICAN WOOD PRESERVERS ASSOCIATION STANDARD AWPA C27, EACH PIECE TO BEAR U.L. LABEL, CLASS I. PLYWOOD CONCEALED FROM VIEW ONLY.

D. FINISHED LUMBER:

1. INTERIOR STAIN GRADE WOOD: POPLAR, CONFORM TO AWI QUALITY STANDARDS, "ECONOMY" GRADE, AWI GRADE I.

2. MOISTURE CONTENT, KILN DRIED, NOT MORE THAN 9%%% WHEN DELIVERED

3. FLAME SPREAD RATING AS NOTED ON DRAWINGS OR AS REQUIRED BY CODE.

E. PLYWOOD:

1. PAINT GRADE PLYWOOD APA GROUP 1, GRADE A-C EXTERIOR PLY- WOOD.

2. FLAME SPREAD RATING AS NOTED ON DRAWING OR AS REQUIRED BY CODE.

F. PARTICLE BOARD:

1. INDUSTRIAL GRADE PARTICLE BOARD, 40-45 LB. DENSITY WESTERN GRADE PREFERRED

2. PREPARE SURFACE FOR FIRE RETARDANT COATING

G. INSTALLATION:

1. INSTALL ALL MATERIAL WITH TIGHT JOINTS.

2. EASE ALL EXTERNAL CORNERS

3. ALL RUNNING TRIM ONE PIECE UP TO 10'-0". MATCH GRAIN AND COLOR PIECE TO PIECE.

4. USE FINISH NAILS EXCEPT WHERE SCREWS INDICATED. SET FASTENERS FLUSH FOR PUTTY APPLICATION.

%%USECTION 06400 - ARCHITECTURAL WOODWORK

A. ALL WORK IS TO BE PERFORMED IN COMPLIANCE WITH "ARCHITECTURAL WOODWORK QUALITY STANDARDS, GUIDE SPECIFICATIONS AND QUALITY CERTIFICATION PROGRAM" CUSTOM GRADE, AS PUBLISHED BY THE ARCHITECTURAL WOODWORK INSTITUTE. ANY QUESTIONS CONCERNING APPLICATION OF THESE STANDARDS SHALL BE REFERRED TO THE ARCHITECT.

B. G.C. TO PROVIDE AND INSTALL WOODWORK AS INDICATED ON THE PLANS.

SECTION - 07200 - THERMAL AND MOISTURE PROTECTION

A. MATERIALS:

1. R-19 THERMAL BATT INSULATION: PREFORMED GLASS FIBER BATT WITH FSK-25 REFLECTIVE MEMBRANE ON ONE SIDE.

2. TAPE: TO MATCH FOIL SCRIM KRAFT FACE; 2 INCH WIDTH.

B. INSTALLATION:

1. INSTALL INSULATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS INDICATED.

2. TRIM INSULATION NEATLY TO FIT SPACES. INSTALL WITHOUT GAPS OR VOIDS.

3. INSTALLATION OF THERMAL BATT INSULATION:

3.1. INSTALL INSULATION WITH VAPOR BARRIER TOWARD WARM SIDE OF BUILDING SPACES. VAPOR BARRIER SHALL BE CONTINUOUS. TAPE SEAL TEARS OR CUTS IN VAPOR BARRIER

3.2. PACK BATT INSULATION IN SHIM SPACES AT PERIMETER OF WINDOW ASSEMBLY TO MAINTAIN CONTINUITY OF THERMAL BARRIER.

3.3. MECHANICAL FASTENING:

3.3.1. AT LOCATIONS WHERE NO FRAMING IS PRESENT TO SUPPORT THE INSULATION, PROVIDE METAL IMPALING PINS AND RETAINERS TO HOLD THE INSULATION FIRMLY IN PLACE.

3.3.2. MECHANICALLY OR ADHESIVELY BOND THE RETAINING PINS TO THE SUBSTRATE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

3.3.3. 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 BATT.

C. R VALUE SCHEDULE:

1. PROVIDE INSULATION IN SUFFICIENT THICKNESS TO PROVIDE THE FOLLOWING R VALUES:

1.1. VERTICAL ASSEMBLIES WITH HORIZONTAL HEAT FLOW: R20.5.

1.2. THE ABOVE R-VALUES ARE REQUIRED FOR THE TOTAL INSULATION IN THE ASSEMBLY. THE BATT INSULATION MAY BE COMBINED WITH OTHER INSULATION IN THE ASSEMBLY TO OBTAIN THE TOTAL R-VALUE REQUIRED. THE R-VALUE IS FOR THE INSULATION ONLY AND MAY NOT INCLUDE AIR FILM VALUES, AND R-VALUES FOR OTHER MATERIALS IN THE ASSEMBLY SUCH AS CONCRETE AND GYPSUM BOARD.

2. THE PERIMETER RIGID INSULATION SHALL BE OF R VALUE 10.

%%USECTION 07241 - EXTERIOR INSULATION AND FINISH SYSTEMS - CLASS PB

1.1 GENERAL

A. DEFINITIONS: SYSTEMS REFER TO CLASS PB EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) THAT IS DEFINED BY ASTM PS 49 AS A "NONLOAD BEARING, EXTERIOR WALL CLADDING SYSTEM THAT CONSISTS OF AN INSULATION BOARD ATTACHED EITHER ADHESIVELY, MECHANICALLY, OR BOTH TO THE SUBSTRATE; AN INTEGRALLY REINFORCED BASE COAT; AND A TEXTURE PROTECTIVE FINISH COAT." SYSTEM MANUFACTURER REFERS TO EIFS MANUFACTURER.

B. THIS SECTION COVERS APPLICATIONS OVER PROPRIETARY GYPSUM SHEATHING.

C. PHYSICAL PROPERTIES: EIFS COMPLYING WITH PERFORMANCE CHARACTERISTICS IN "EIMA GUIDELINE SPECIFICATION FOR EXTERIOR INSULATION AND FINISH SYSTEMS, CLASS PB," INCLUDING WIND LOAD PER ASTM E 330 AS INDICATED AND IMPACT CLASSIFICATION AND RANGE PER EIMA 101.86 AS FOLLOWS:

STANDARD IMPACT RESISTANCE: 25-49 INCH-LB

1. MEDIUM IMPACT RESISTANCE: 50-89 INCH-LB).

2. HIGH IMPACT RESISTANCE: 90-150 INCH-LB (10.2-17 J).

3. ULTRA-HIGH IMPACT RESISTANCE: MORE THAN 150 INCH-LB (17 J).

A. SUBMITTALS: IN ADDITION TO PRODUCT DATA, SUBMIT THE FOLLOWING:

1. SHOP DRAWINGS: SHOW FABRICATION AND INSTALLATION OF SYSTEM INCLUDING PLANS, ELEVATIONS, SECTIONS, DETAILS OF COMPONENTS, JOINT LOCATIONS AND CONFIGURATIONS WITHIN SYSTEM AND BETWEEN SYSTEM AND CONSTRUCTION PENETRATING IT, TERMINATION DETAILS, AND ATTACHMENTS TO CONSTRUCTION BEHIND SYSTEM.

a. FOR INSTALLED PRODUCTS INDICATED TO COMPLY WITH CERTAIN DESIGN LOADS, INCLUDE STRUCTURAL ANALYSIS DATA SEALED AND SIGNED BY THE QUALIFIED PROFESSIONAL ENGINEER WHO WAS RESPONSIBLE FOR THEIR PREPARATION.

2. SAMPLES FOR EACH FINISH, COLOR, TEXTURE, AND PATTERN SPECIFIED

3. INSTALLER CERTIFICATES: SIGNED BY SYSTEM MANUFACTURER CERTIFYING THAT INSTALLERS COMPLY WITH SPECIFIED REQUIREMENTS.

4. MATERIAL CERTIFICATES: SIGNED BY MANUFACTURERS OR A THIRD-PARTY AGENCY APPROVED BY SYSTEM MANUFACTURER CERTIFYING THAT INSULATION AND JOINT SEALANTS COMPLY WITH PROJECT REQUIREMENTS. INCLUDE JOINT SEALANT MANUFACTURER'S INTERPRETATION OF TEST RESULTS RELATIVE TO SEALANT PERFORMANCE AND RECOMMENDATIONS FOR PRIMERS AND SUBSTRATE PREPARATION NEEDED TO OBTAIN ADHESION. VERIFY COMPATIBILITY WITH ADJACENT MATERIALS, SUBSTRATES AND CONSTRUCTION.

5. MANUFACTURER'S CERTIFICATE OF COMPLIANCE WITH EIMA STANDARDS.

6. COMPATIBILITY AND ADHESION TEST REPORTS: FROM SEALANT MANUFACTURER.

7. PRODUCT TEST REPORTS: BASED ON COMPREHENSIVE TESTING OF CURRENT PRODUCTS BY A QUALIFIED IN DEPENDANT TESTING AND INSPECTING AGENCY.

8. QUALIFICATION DATA FOR FIRMS AND PERSONS SPECIFIED IN THE QUALITY ASSURANCE ARTICLE OF THE SECTION TO DEMONSTRATE THEIR CAPABILITIES AND EXPERIENCE. INCLUDE LISTS OF COMPLETED PROJECTS WITH PROJECT NAMES AND ADDRESSES, NAMES AND ADDRESSES OF ARCHITECTS AND OWNERS, AND OTHER RELEVANT INFORMATION.

9. RESEARCH REPORTS OR EVALUATION REPORTS OF THE MODEL BUILDING CODE ORGANIZATION ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION THAT EVIDENCE SYSTEM'S COMPLIANCE WITH BUILDING CODE IN JURISDICTION OF PROJECT.

1.1 REFERNCE DOCUMENTS

A. BUILDING CODE STANDARDS:

1. UBC STANDARD 26-4, (FORMERLY 17-6), "METHOD OF TEST FOR THE EVALUATION OF FLAMMABILITY CHARACTERISTICS OF EXTERIOR, NONLOAD-BEARING WALL PANEL ASSEMBLIES USING FOAM PLASTIC INSULATION", 1994 UNIFORM BUILDING CODE, INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO).

2. SECTION 1406.0, 1993 NATIONAL BUILDING CODE, BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL (BOCA).

3. SECTION 26035, 1994 STANDARD BUILDING CODE SOUTHERN BUILDING CODE CONGRESS INTERNATIONAL (SBCCI).

B. EIFS INDUSTRY MEMBERS ASSOCIATION STANDARDS AND PUBLICATIONS:

1. 1101.01 - STANDARD TEST METHOD FOR FREEZE-THAW RESISTANCE OF EXTERIOR INSULATION FINISHING SYSTEMS (EIFS), CLASS PB (MODIFIED ASTM C-67).

2. 101.02 - STANDARD TEST METHOD FOR RESISTANCE TO WATER PENETRATION OF EXTERIOR INSULATION FINISHING SYSTEMS (EIFS), CLASS PB (MODIFIED ASTM E 331).

3. 101.03 - STANDARD TEST METHOD FOR DETERMINING TENSILE ADHESION STRENGTH OF EXTERIOR INSULATION FINISHING SYSTEMS (EIFS), CLASS PB (MODIFIED ASTM C-297).

4. 101.86 - STANDARD TEST METHOD FOR RESISTANCE OF EXTERIOR

5. INSULATION FINISHING SYSTEMS (EIFS) TO THE EFFECTS OF RAPID DEFORMATION (IMPACT).

6. 105.01 - STANDARD TEST METHOD FOR ALKALI RESISTANCE OF GLASS FIBER REINFORCING MESH FOR USE IN EXTERIOR INSULATION FINISHING SYSTEMS.

7. 300.01 - STANDARD TEST METHOD FOR DETERMINING TENSILE ADHESION PROPERTIES OF SEALANTS WHEN USED WITH EXTERIOR INSULATION FINISHING SYSTEMS.

8. EIMA GUIDE FOR USE OF SEALANTS WITH EXTERIOR INSULATION FINISHING SYSTEMS.

9. EIMA GUIDELINE SPECIFICATION FOR EXTERIOR INSULATION FINISHING SYSTEMS.

1.1 QUALITY ASSURANCE

A. MANUFACTURER QUALIFICATIONS: FIRM WITH MINIMUM 15 YEARS EXPERIENCE IN MANUFACTURING SYSTEMS SIMILAR TO THOSE INDICATED FOR THIS PROJECT AND THAT HAVE A RECORD OF SUCCESSFUL IN-SERVICE PERFORMANCE, WHO IS A CURRENT MEMBER OF THE EIMA.

B. INSTALLER QUALIFICATIONS: EXPERIENCED INSTALLER WHO IS CERTIFIED IN WRITING BY SYSTEM MANUFACTURER AS QUALIFIED TO INSTALL MANUFACTURER'S SYSTEM.

C. SINGLE SOURCE RESPONSIBILITY: OBTAIN MATERIALS FOR A SYSTEM FROM ONE SOURCE AND BY A SINGLE MANUFACTURER OR BY MANUFACTURER'S APPROVED BY THE SYSTEM MANUFACTURER AS COMPATIBLE WITH OTHER SYSTEM COMPONENTS.

D. PREINSTALLATION CONFERENCE: CONDUCT CONFERENCE AT PROJECT SITE WITH PARTIES ASSOCIATED WITH THE WORK.

1.2 COORDINATION AND STORAGE

A. ENVIRONMENTAL CONDITIONS: DO NOT INSTALL SYSTEM WHEN AMBIENT OUTDOOR AIR AND SUBSTRATE TEMPERATURES ARE 40 DEGREES F AND FALLING UNLESS TEMPORARY PROTECTION AND HEAT ARE PROVIDED TO MAINTAIN AMBIENT TEMPERATURES ABOVE 40 DEGREES F DURING THE INSTALLATION OF WET MATERIALS AND UNTIL THEY HAVE DRIED THOROUGHLY AND BECOME WEATHER RESISTANT, BUT NOT LESS THAN 24 HOURS AFTER INSTALLATION.

B. PROVIDE PROTECTION OF SURROUNDING AREAS AND ADJACENT CONSTRUCTION.

C. COORDINATE INSTALLATION OF SYSTEM WITH RELATED UNITS OF WORK SPECIFIED IN OTHER SECTIONS TO ENSURE THAT WALL ASSEMBLIES, INCLUDING SHEATHING, FLASHING, TRIM AND JOINT SEALERS ARE PROTECTED AGAINST DAMAGE FROM AFFECTS OF WEATHER, AGE, CORROSION AND OTHER CAUSES.

1.3 WARRANTY

A. GENERAL WARRANTY: THE SPECIAL WARRANTY SUBMITTED UNDER THIS SECTION SHALL NOT DEPRIVE THE OWNER OF OTHER RIGHTS AND REMEDIES THAT THE OWNER MAY HAVE UNDER OTHER PROVISIONS OF THE CONTRACT DOCUMENTS AND IS IN ADDITIONS TO AND RUNS CONCURRENT WITH OTHER WARRANTIES MADE BY THE CONTRACTOR UNDER REQUIREMENTS OF THE CONTRACT DOCUMENTS.

B. SPECIAL WARRANTY: SUBMIT A WRITTEN WARRANTY SIGNED BY AUTHORIZED REPRESENTATIVES OF THE MANUFACTURER AND INSTALLER WARRANTING THAT PORTIONS OF THE WORK INVOLVING EXTERIOR INSULATION AND FINISHING SYSTEM IS OF GOOD QUALITY, FREE FROM DEFECTS AND IN CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND FURTHER PROMISING TO REPAIR OR REPLACE DEFECTIVE WORK DURING A 1 YEAR PERIOD FOLLOWING COMPLETION OF THAT PORTION OF THE WORK.

1. DEFECTIVE IS DEFINED TO INCLUDE THE FOLLOWING:

A. STRUCTURAL FAILURES INCLUDING, BUT NOT LIMITED TO EXCESSIVE DEFLECTION.

B. NOISE OR VIBRATION CAUSED BY THERMAL MOVEMENTS.

C. FAILURE OF SYSTEM TO MEET PERFORMANCE REQUIREMENTS.

D. DETERIORATION OF FINISHES AND OTHER MATERIALS BEYOND NORMAL WEATHERING.

E. WATER LEAKAGE.

1.4 PERFORMANCE REQUIREMENTS

A. PROVIDE SYSTEMS THAT COMPLY WITH THE FOLLOWING PERFORMANCE REQUIREMENTS:

1. BOND INTEGRITY: FREE FROM BOND FAILURE WITHIN SYSTEM COMPONENTS OR BETWEEN SYSTEM AND SUPPORTING WALL CONSTRUCTION, RESULTING FROM EXPOSURE TO FIRE, WIND LOADS, WEATHER, OR OTHER IN-SERVICE CONDITIONS.

2. WEATHERTIGHTNESS: RESISTANT TO WATER PENETRATION FROM EXTERIOR INTO SYSTEM ASSEMBLIES BEHIND IT OR THROUGH THEM INTO INTERIOR OF BUILDING THAT RESULTS IN DETERIORATION OF THERMAL INSULATING EFFECTIVENESS OR OTHER DEGRADATION OF SYSTEM AND ASSEMBLIES BEHIND SYSTEM, INCLUDING SUBSTRATES, SUPPORTING WALL CONSTRUCTION, AND INTERIOR FINISH.

B. PHYSICAL PROPERTIES: PROVIDE EXTERIOR FINISH AND INSULATION SYSTEMS WHOSE PHYSICAL PROPERTIES AND STRUCTURAL PERFORMANCE COMPLY WITH THE FOLLOWING REQUIREMENTS WHEN TESTED PER METHOD REFERENCED:

1. ACCELERATED WEATHERING CHARACTERISTICS: SAMPLE OF SIZE SUITABLE FOR TEST EQUIPMENT AND CONSISTING OF 1 INCH THICK EXTERIOR INSULATION SYSTEM MOUNTED ON ½ INCH THICK GYPSUM BOARD, CURED FOR 28 DAYS, SHOWS NO EVIDENCE OF CRACKING, FLAKING OR DELETERIOUS EFFECTS AFTER TESTING FOR 2,000 HOURS PER METHOD 1 OF ASTM G 23.

2. WATER PENETRATION: SAMPLE CONSISTING OF 1 INCH THICK EXTERIOR INSULATION AND FINISH SYSTEM MOUNTED ON ½ INCH THICK GYPSUM BOARD, CURED FOR 28 DAYS, SHOWS NO WATER PENETRATION INTO THE PLANE OF THE INNERMOST FACE OF THE TEST SPECIMEN UNDER 2.86 PSF OF AIR PRESSURE DIFFERENCE ACROSS THE SPECIMEN DURING A 15 MINUTE TEST PERIOD WHEN TESTED PER ASTM E 331.

3. WATER RESISTANCE: SAMPLE CONSISTING OF 1 INCH THICK EXTERIOR INSULATION AND FINISH SYSTEM MOUNTED ON ½ INCH THICK GYPSUM BOARD, CURED FOR 28 DAYS, SHOWS NO DELETERIOUS EFFECTS AFTER TESTING FOR 14 DAYS PER ASTM D 2247.

4. SALT SPRY RESISTANCE: SAMPLE CONSISTING OF 1 INCH THICK EXTERIOR INSULATION AND FINISH SYSTEM MOUNTED ON ½ INCH THICK GYPSUM BOARD, CURED FOR 28 DAYS, SHOWS NO DELETERIOUS EFFECTS AFTER TESTING FOR 300 HOURS PER ASTM B 117.

5. ABSORPTION FREEZE RESISTANCE: THREE SAMPLES, 4 BY 8 BY 2 INCHES IN SIZE, CONSISTING OF EXTERIOR INSULATION AND FINISH SYSTEM COATED ON ALL SIDES WITH BASE AND FINISH COATS, INCLUDING REINFORCING FABRIC, CURED FOR 28 DAYS, SHOWS NO VISIBLE CHANGE WHEN SUBJECTED TO 4 DAYS UNDERWATER SOAK FOLLOWED BY 60 CYCLES OF ALTERNATING EXPOSURE FOR 2 HOURS TO MINUS 10 DEGREES C AND 2 HOURS TO PLUS 20 DEGREES C PER ASTM C 67.

6. MILDEW RESISTANCE: SAMPLE CONSISTING OF FINISH COAT APPLIED TO A 2 INCH BY 2 INCH CLEAN GLASS SUBSTRATE, CURED FOR 28 DAYS, SHOWS NO MILDEW GROWTH WHEN TESTED PER MIL STANDARD 810C, METHOD 508.

7. IMPACT RESISTANCE: SAMPLE CONSISTING OF 1 INCH THICK EXTERIOR INSULATION AND FINISH SYSTEM WHEN CONSTRUCTED, CONDITIONED, AND TESTED PER EIMA 101.86, PRODUCES THE FOLLOWING IMPACT CLASSIFICATION AND RANGE:

A. STANDARD IMPACT RESISTANCE: 25-49 INCH LB.

B. MEDIUM IMPACT RESISTANCE: 50-89 INCH LB.

C. HIGH IMPACT RESISTANCE: 90-150 INCH LB.

8. NEGATIVE WIND LOAD PERFORMANCE: SAMPLE ASSEMBLY 48 BY 48 INCHES IN SIZE, CONSISTING OF STUDS, SHEATHING, AND 2 INCH THICK EXTERIOR INSULATION AND FINISH SYSTEM, SHOWS CAPABILITY TO WITHSTAND WIND LOADS INDICATED WHEN TESTED PER ASTM E 330.

C. SEISMIC LOADS: PROVIDE EXTERIOR INSULATION AND FINISH SYSTEM, INCLUDING ANCHORAGE, CAPABLE OF WITHSTANDING THE EFFECTS OF EARTHQUAKE MOTIONS CALCULATED ACCORDING TO REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION OR ASCE 7-95, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES", SECTION 9, "EARTHQUAKE LOADS" WHICHEVER ARE MORE STRINGENT.

1.1 DELIVERY, STORAGE AND HANDLING

A. DELIVER PRODUCTS IN ORIGINAL, UNOPENED PACKAGES WITH MANUFACTURER'S LABELS IDENTIFYING PRODUCTS LEGIBLE AND INTACT.

B. STORE MATERIALS INSIDE AND UNDERCOVER AND KEEP THEM DRY AND PROTECTED FROM THE WEATHER, DIRECT SUNLIGHT, SURFACE CONTAMINATION, AGING, CORROSION, DAMAGING TEMPERATURES, DAMAGE FROM CONSTRUCTION TRAFFIC AND OTHER CAUSES.

1.2 PRODUCTS

A. AVAILABLE MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, MANUFACTURERS OFFERING CLASS PB SYSTEMS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

B. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE CLASS PB SYSTEMS BY ONE OF THE FOLLOWING:

1. DRYVIT SYSTEMS, INC.

2. SENERGY DIV.; OF HARRIS SPECIALTY CHEMICALS, INC.

3. STO CORP.; STO FINISH SYSTEMS DIV.

4. TEC INC.; AN H.B. FULLER CO.

C. COMPATIBILITY: SUBSTRATES, ADHESIVE, BOARD INSULATION, REINFORCING MESHES, BASE- AND FINISH-COAT MATERIALS, SEALANTS, AND ACCESSORIES THAT ARE COMPATIBLE WITH ONE ANOTHER AND APPROVED FOR USE BY SYSTEM MANUFACTURER.

D. COLORS, TEXTURES, AND PATTERNS OF FINISH COAT: ARCHITECT'S SELECTIONS FROM SYSTEM MANUFACTURER'S FULL RANGE OF COLORS, TEXTURES, AND PATTERNS FOR TYPE OF FINISH COAT INDICATED.

E. ADHESIVE FOR APPLICATION OF INSULATION: SYSTEM MANUFACTURER'S STANDARD FORMULATION COMPLYING WITH THE FOLLOWING REQUIREMENTS:

1. FACTORY-MIXED FORMULATION DESIGNED FOR ADHESIVE ATTACHMENT OF INSULATION TO SUBSTRATES OF TYPE INDICATED, AS RECOMMENDED BY SYSTEM MANUFACTURER.

I. MOLDED-POLYSTYRENE BOARD INSULATION: COMPLY WITH SYSTEM MANUFACTURER'S REQUIREMENTS, ASTM C 578 FOR TYPE I, AND "EIMA GUIDELINE SPECIFICATION FOR EXPANDED POLYSTYRENE (EPS) INSULATION BOARD" FOR MORE STRINGENT REQUIREMENTS, APPROVED BY SYSTEM MANUFACTURER FOR MATERIAL QUALITIES, INCLUDING CORNER SQUARENESS, OTHER DIMENSIONAL TOLERANCES, AND THE FOLLOWING:

1. SIZE BOARDS NOT MORE THAN 24 BY 48 INCHES AND IN THICKNESS INDICATED BUT NOT MORE THAN 4 INCHES OR LESS THAN THAT ALLOWED BY ASTM PS 49.

2. AGE INSULATION IN BLOCK FORM PRIOR TO CUTTING AND SHIPPING BY AIR DRYING FOR NOT LESS THAN 6 WEEKS OR BY ANOTHER METHOD APPROVED BY SYSTEM MANUFACTURERTHAT PRODUCES EQUIVALENT RESULTS.

3. NOMINAL DENSITY: 10 PCF FOR EACH BOARD.

4. THERMAL RESISTANCE: MINIMUM 4.0 AT 40 DEGREES F, 3.6 AT 75 DEGREES F WHEN TESTED IN ACCORDANCE WITH ASTM C 518.

5. PROVIDE SHAPES AND DENSITIES REQUIRED TO MAINTAIN SPECIAL SHAPES, IF REQUIRED.

J. REINFORCING MESH: BALANCED, ALKALI-RESISTANT, OPEN-WEAVE GLASS-FIBER MESH TREATED FOR COMPATIBILITY WITH OTHER SYSTEM MATERIALS, MADE FROM CONTINUOUS MULTIEND STRANDS WITH RETAINED MESH TENSILE STRENGTH OF NOT LESS THAN 145 LBF/IN. AND 150 LBS IN WARP AND FILL DIRECTIONS PER ASTM D 5035, COMPLYING WITH ASTM D 578 AND THE FOLLOWING REQUIREMENTS FOR MINIMUM WEIGHT:

1. STANDARD REINFORCING MESH: NOT LESS THAN 4.0 OZ./SQ. YD. (136 G/SQ. M).

2. DETAIL REINFORCING MESH: NOT LESS THAN 4 OZ./SQ. YD. (136 G/SQ. M).

3. CORNER REINFORCING MESH: NOT LESS THAN 7.2 OZ./SQ. YD. (244 G/SQ. M).

K. BASE-COAT MATERIALS: SYSTEM MANUFACTURER'S STANDARD MIXTURE COMPLYING WITH THE FOLLOWING REQUIREMENTS:

1. FACTORY-MIXED FORMULATION OF POLYMER-EMULSION ADHESIVE AND INERT FILLERS THAT IS READY TO USE WITHOUT ADDING OTHER MATERIALS.

L. PRIMER: SYSTEM MANUFACTURER'S STANDARD FACTORY-MIXED ELASTOMERIC-POLYMER PRIMER FOR PREPARING BASE-COAT SURFACE FOR APPLICATION OF FINISH COAT.

M. FINISH-COAT MATERIALS: SYSTEM MANUFACTURER'S STANDARD FACTORY-MIXED FORMULATION OF POLYMER-EMULSION BINDER, COLORFAST MINERAL PIGMENTS, SOUND STONE PARTICLES, AND FILLERS AND SILICONE ENHANCED FINISH.

N. WATER: POTABLE.

O. TRIM ACCESSORIES: COMPLYING WITH ASTM C 1063; VINYL PLASTIC.

P. JOINT TAPE: OPEN WEAVE, SELF ADHESIVE, FIBERGLASS MESH, MINIMUM 4 INCHES WIDE.

Q. FLASHING/TERMINATION TAPE: HIGH DENSITY RUBBERIZED ASPHALT/POLYETHYLENE, SELF ADHESIVE MEMBRANE, MINIMUM 4 INCHES WIDE.

R. ELASTOMERIC SEALANTS: LISTED AND RECOMMENDED BY SYSTEM MANUFACTURER; COMPATIBLE WITH JOINT FILLERS, JOINT SUBSTRATES, AND OTHER RELATED MATERIALS; LOW MODULUS SILICONE SEALANT, WITH PRIMER AS REQUIRED AND SUPPLIED BY THE SEALANT MANUFACTURER FOR SURFACES AND MATERIALS, AND COMPLYING WITH REQUIREMENTS IN "EIMA GUIDE FOR USE OF SEALANTS WITH EXTERIOR INSULATION AND FINISH SYSTEMS, CLASS PB" AND IN DIVISION 7 SECTION "JOINT SEALANTS" FOR PRODUCTS INDICATED BELOW. SEALANT COLOR TO MATCH FINISH COAT COLOR OF SYSTEM PER ARCHITECT'S SELECTIONS FROM MANUFACTURER'S FULL RANGE OF STANDARD COLORS.

1.3 EXECUTION

A. EXAMINATION: EXAMINE SUBSTRATES TO DETERMINE IF THE ARE IN SATISFACTORY CONDITION FOR INSULATION OF SYSTEM. DO NOT PROCEED WITH INSTALLATION UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

B. PROTECT CONTIGUOUS WORK FROM MOISTURE DETERIORATION AND SOILING RESULTING FROM APPLICATION OF SYSTEMS. PROVIDE TEMPORARY COVERING AND OTHER PROTECTION NEEDED TO PREVENT SPLATTERING OF EXTERIOR FINISH COATINGS ON OTHER WORK.

C. PROTECT SYSTEM, SUBSTRATES, AND WALL CONSTRUCTION BEHIND THEM FROM INCLEMENT WEATHER DURING INSTALLATION. PREVENT INFILTRATION OF MOISTURE BEHIND SYSTEM AND DETERIORATION OF SUBSTRATES.

D. PREPARE AND CLEAN SUBSTRATES TO COMPLY WITH SYSTEM MANUFACTURER'S REQUIREMENTS TO OBTAIN OPTIMUM BOND BETWEEN SUBSTRATE AND ADHESIVE FOR INSULATION.

E. MIXING: COMPLY WITH SYSTEM MANUFACTURER'S REQUIREMENTS FOR COMBINING AND MIXING MATERIALS, DO NOT INTRODUCE ADMIXTURES, WATER, OR OTHER MATERIALS EXCEPT AS APPROVED BY SYSTEM MANUFACTURER. MIX MATERIAL IN CLEAN CONTAINERS. USE MATERIALS WITHIN THE TIME PERIOD SPECIFIED BY SYSTEM MANUFACTURER, OR DISCARD. NO ANTI-FREEZE COMPOUNDS PERMITTED.

F. PRIMER-SEALER: APPLY OVER GYPSUM SHEATHING AND OVER OTHER SUBSTRATES WHERE REQUIRED BY SYSTEM MANUFACTURER FOR IMPROVING ADHESION OR FOR PROTECTING SUBSTRATES FROM DEGRADATION.

G. COMPLY WITH ASTM PS 49 AND SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSTALLATION OF SYSTEM.

H. APPLY TRIM ACCESSORIES AT PERIMETER OF SYSTEM, AT EXPANSION JOINTS, AND ELSEWHERE, AS INDICATED. USE DRIP SCREED AT BOTTOM EDGE OF SYSTEM AND CASING BEADS AT OTHER LOCATIONS.

I. ADHESIVELY ATTACH INSULATION BY NOTCHED-TROWEL METHOD TO COMPLY WITH ASTM PS 49 AND SYSTEM MANUFACTURER'S WRITTEN REQUIREMENTS. LOCATE JOINTS SO NO PIECE OF INSULATION IS LESS THAN 12 INCHES WIDE OR 6 INCHES HIGH. OFFSET JOINTS NOT LESS THAN 6 INCHES FROM CORNERS OF WINDOW AND DOOR OPENINGS. OFFSET JOINTS OF INSULATION NOT LESS THAN 6 INCHES FROM HORIZONTAL AND 4 INCHES FROM VERTICAL JOINTS IN SHEATHING. INTERRUPT INSULATION FOR EXPANSION JOINTS. FORM JOINTS FOR SEALANT APPLICATION WIDE ENOUGH TO PRODUCE JOINT WIDTHS INDICATED AFTER ENCAPSULATING JOINT SUBSTRATES WITH BASE COAT AND REINFORCING MESH.

1. OFFSET JOINTS OF INSULATION NOT LESS THAN 4 INCHES FROM AESTHETIC REVEALS.

2. INSTALL FOAM SHAPES ATTACHED TO SUPPORTING SUBSTRATE.

3. WRAP EXPOSED EDGES OF INSULATION BOARD WITH REINFORCING MESH FULLY ENCAPSULATED IN BASE COAT AND, EXCEPT WHERE EDGE IS SUBSTRATE FOR JOINT SEALANT, FINISH COAT.

4. TREAT EDGES OF INSULATION BOARD AT TRIM ACCESSORIES BY EXTENDING BASE COAT, REINFORCING MESH, AND FINISH COAT OVER FACE LEG OF ACCESSORIES.

5. COORDINATE FLASHING INSTALLATION WITH INSTALLATION OF INSULATION.

K. INSTALL EXPANSION JOINTS AT LOCATIONS INDICATED, WHERE REQUIRED BY SYSTEM MANUFACTURER; WHERE EXPANSION JOINTS ARE INDICATED IN SUBSTRATES BEHIND EIFS; WHERE EIFS ADJOINS DISSIMILAR SUBSTRATES, MATERIALS, AND CONSTRUCTION; WHERE WALL HEIGHT CHANGES; AND AT FLOOR LINES IN MULTILEVEL WOOD-FRAME CONSTRUCTION.

L. APPLY BASE COAT TO EXPOSED SURFACES OF INSULATION IN MINIMUM THICKNESS RECOMMENDED IN WRITING BY SYSTEM MANUFACTURER, BUT NOT LESS THAN 1/16-INCH DRY-COAT THICKNESS.

M. COMPLETELY EMBED REINFORCING MESH, APPLYING ADDITIONAL BASE-COAT MATERIAL IF NECESSARY, SO REINFORCING-MESH COLOR AND PATTERN ARE NOT VISIBLE, IN SINGLE OR DOUBLE LAYER APPLICATION TO COMPLY WITH ASTM PS 49 AND SYSTEM MANUFACTURER'S WRITTEN REQUIREMENTS. DO NOT APPLY SECOND LAYER UNTIL FIRST BASE COAT LAYER HAS CURED.

N. ADDITIONAL REINFORCING MESH: APPLY STRIP REINFORCING MESH AROUND OPENINGS EXTENDING 4 INCHES BEYOND PERIMETER. APPLY ADDITIONAL 9-BY-12-INCH STRIP REINFORCING MESH DIAGONALLY AT CORNERS OF OPENINGS (RE-ENTRANT CORNERS). APPLY 8-INCH- WIDE STRIP REINFORCING MESH AT BOTH INSIDE AND OUTSIDE CORNERS, UNLESS BASE LAYER OF MESH IS LAPPED NOT LESS THAN 4 INCHES ON EACH SIDE OF CORNERS.

1. AT AESTHETIC REVEALS, APPLY STRIP REINFORCING MESH NOT LESS THAN 8 INCHES (200 MM) WIDE.

2. EMBED STRIP REINFORCING MESH IN BASE COAT BEFORE APPLYING FIRST LAYER OF REINFORCING MESH.

O. SHAPES: FULLY EMBED REINFORCING MESH IN BASE COAT.

P. DOUBLE BASE-COAT APPLICATION: WHERE INDICATED, APPLY SECOND BASE COAT IN THE SAME MANNER AND THICKNESS AS FIRST APPLICATION, EXCEPT WITHOUT REINFORCING MESH. DO NOT APPLY UNTIL FIRST BASE COAT HAS CURED.

Q. APPLY FINISH COAT OVER DRY PRIMER AND BASE COAT, MAINTAINING A WET EDGE AT ALL TIMES FOR UNIFORM APPEARANCE, IN THICKNESS REQUIRED BY SYSTEM MANUFACTURER TO PRODUCE A UNIFORM FINISH OF COLOR AND TEXTURE MATCHING APPROVED SAMPLE.

R. INSTALLATION OF JOINT SEALANTS: PREPARE JOINTS AND APPLY SEALANTS TO COMPLY WITH APPLICABLE REQUIREMENTS IN DIVISION 7 SECTION "JOINT SEALANTS" AND IN "EIMA GUIDE FOR USE OF SEALANTS WITH EXTERIOR INSULATION AND FINISH SYSTEMS, CLASS PB." APPLY JOINT SEALANTS AFTER BASE COAT HAS CURED BUT BEFORE APPLYING FINISH COAT.

S. FIELD QUALITY CONTROL: OWNER WILL ENGAGE A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY TO PERFORM FIELD QUALITY-CONTROL TESTS AND INSPECTIONS AND TO PREPARE TEST REPORTS. CORRECT DEFICIENCIES IN OR REMOVE AND REPLACE EIFS THAT INSPECTIONS AND TEST REPORTS INDICATE DO NOT COMPLY WITH REQUIREMENTS. ADDITIONAL TESTING AND INSPECTING, AT CONTRACTOR'S EXPENSE, WILL BE PERFORMED TO DETERMINE COMPLIANCE OF CORRECTED WORK WITH REQUIREMENTS.

%%USECTION - 07533 - SINGLE-PLY MEMBRANE ROOFING SYSTEM

SYSTEM PART 1 GENERAL

1.01 SCOPE

A. INSTALL TWO LAYERS OF NEW POLYISOCYANURATE INSULATION. NEW INSULATION MUST BE A MINIMUM OF R-22. INSTALL INSULATION ACCORDING TO ROOF MEMBRANE MANUFACTURER'S SPECIFICATIONS.

B. CONTRACTOR SHALL FURNISH AND INSTALL A WHITE 40 MIL SINGLE-PLY MEMBRANE ROOFING SYSTEM THAT IS FABRICATED OF A WEFT INSERTED LOW-SHRINK, ANTI-WICKING POLYESTER FABRIC AND HAS A THERMOPLASTIC MATERIAL LAMINATED TO BOTH SIDES AS. ROOFING, INC MANUFACTURED BY DURO-LAST

C. ON ALL PARAPET LOCATIONS, WRAP PARAPET WITH NEW PRE-MANUFACTURED PARAPET FLASHINGS BY DURO-LAST ROOFING AND TERMINATE ON EXTERIOR OF WALL. INSTALL NEW METAL COPING CAP, COLOR TO BE CHOSEN BY THE OWNER.

D. ALL DECK SHEETS AND PARAPETS SHOULD BE PULLED TIGHT AND INSTALLED AS WRINKLE FREE AS POSSIBLE.

E. INSTALL PRE-MANUFACTURED FLASHINGS ON ALL ROOF PENETRATIONS AS SPECIFIED BY ROOF MEMBRANE MANUFACTURER.

F. FURNISH AND INSTALL NEW 24" X 24" SAFETY STRIPE WALKPADS AT THE ROOF. DURO-LAST WALK PADS SHOULD BE AROUND ALL SERVICEABLE ROOFTOP UNITS. FASTENING TABS INSTALLED BY COMPLETELY WELDING THE SIX PADS TO THE DECK MEMBRANE WITH A FULL 1-1/2" WELD TO PREVENT THE WALK FROM DISLODGING.

G. CONTRACTOR MUST DISPOSE OF ALL DEBRIS IN AN APPROVED FACILITY IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

H. CONTRACTOR TO INSTALL THE MEMBRANE SYSTEM PER ALL LOCAL, STATE AND FEDERAL CODES AND REGULATIONS.

1.02 WARRANTY

A. ROOF TO HAVE DURO-LAST, INC.'S STANDARD WRITTEN FULL ROOFING SYSTEM REPAIR AND/OR REPLACEMENT 15-YEAR WARRANTY AT NO ADDITIONAL WARRANTY SHALL BE A NO-DOLLAR LIMIT THE CHARGE, COVERING MATERIALS AND LABOR. ISSUED BY THE ORIGINAL MANUFACTURER OF THE ROOFING MEMBRANE AND WARRANTY INCLUDE ALL ACCESSORIES SUPPLIED BY THE ROOFING MANUFACTURER. WARRANTY INCLUDES THE REPAIR OR REPLACEMENT OF MEMBRANE AND MATERIALS AND THE COST OF/OR FURNISHING OF LABOR AT THE CONTRACTOR LIST PRICE WHICH IS IN EFFECT AT THE TIME OF REPAIR. WARRANTY SHALL INCLUDE LOSS OF CONSEQUENTIAL DAMAGES DUE TO FAILURE OF THE ROOF SYSTEM AND CONTAIN NO EXCLUSIONS FOR PONDED WATER OR BIOLOGICAL GROWTH. NO PRIVATE LABEL PRODUCTS SHALL BE ACCEPTED. UPON WARRANTY INSPECTION AND ACCEPTANCE OF THE ROOF, THE WARRANTY SHALL BE TURNED OVER TO THE CONTRACTOR BY A DURO-LAST QUALITY ASSURANCE SPECIALIST.

1.03 WEIGHT REQUIREMENTS

A. THE TOTAL WEIGHT OF THE INSTALLED ROOFING SYSTEM INCLUDING ALL ACCESSORIES,I.E.: SCREWS, PLATES, 2-WAY BREATHER VENTS, ETC., SHALL NOT EXCEED 25 POUNDS PER SQUARE. INSULATION WEIGHT VARIES ACCORDING TO R-VALUE DESIRED.

1.04 SUBMITTALS

A. WRITTEN CONFIRMATION FROM DURO-LAST ROOFING, INC. THAT THE INSTALLER IS AN AUTHORIZED DEALER/CONTRACTOR.

B. SHOP DRAWING SHOWING THE LAYOUT OF THE PREFABRICATED ROOFING PANELS.

C. CONTRACTOR SHALL INFORM THE LONGHORN PROJECT MANAGER OF ALL TIMELINES, SCHEDULES, AND CONSTRUCTION PROCESSES PRIOR TO WORK COMMENCEMENT.

1.05 PRODUCT DELIVERY, STORAGE, & HANDLING PROCEDURES

A. FOLLOW DURO-LAST, INC.'S INSTRUCTIONS, CAUTIONS, WARNINGS AND PROCEDURES.

B. ROOFING SYSTEM SHALL NOT BE APPLIED WHEN WEATHER CONDITIONS ARE NOT WITHIN THE RANGE ACCEPTABLE UNDER DURO-LAST'S RECOMMENDATIONS.

PART 2 PRODUCT

2.01 ROOF MEMBRANE

A. MEMBRANE COMPONENTS TO BE PRODUCTS OF DURO-LAST ROOFING, INC. NO SUBSTITUTIONS WILL BE ACCEPTED.

B. A SPECIAL FORMULATED, PERMANENT, THERMOPLASTIC ALLOY, BONDED TO A HIGH TENACITY, LOW SHRINKAGE WEFT INSERTED POLYESTER FABRIC WITH RESISTANCE TO ULTRAVIOLET RAYS, MICROORGANISMS AND IMPERVIOUS TO MOST CAUSTIC CHEMICALS, ANIMAL FATS, GREASES AND OILS TYPICALLY FOUND ON A RESTAURANT ROOF.

C. MEMBRANE SHALL BE FACTORY DIELECTRICALLY WELDED INTO PREFABRICATED SHEETS UP TO 2,500 SQUARE FEET OR AS DETERMINED BY JOB CONDITION.

D. THE NEW ROOFING SHALL BE A PREFABRICATED MECHANICALLY FASTENED INSTALLATION OF SINGLE-PLY REINFORCED MEMBRANE, 40 MILS THICK.

E. FIRE RESISTANCE OF THE THERMOPLASTIC ROOFING SYSTEM SHALL MEET UL CLASS A. ALL PACKAGING OF MEMBRANE AND INSULATION SHALL BEAR UL CLASS A LABEL.

F. MEMBRANE SHALL BE WHITE.

G. ALL ROOFING COMPONENTS USED AT ROOF PENETRATIONS SHALL BE PROVIDED BY DURO-LAST ROOFING, INC.

2.02 INSULATION

A. INSTALL TWO LAYERS OF NEW POLYISOCYANURATE INSULATION. NEW INSULATION MUST BE A MINIMUM OF R-22. INSTALL INSULATION ACCORDING ROOF MEMBRANE MANUFACTURER'S SPECIFICATIONS.

2.03 ROOF WALK PADS

A. 24" X 24" SAFETY STRIPE WALK PADS AS MANUFACTURED BY DURO-LAST ROOFING.

PART 3 EXECUTION

3.01 SUBSTRATE INSPECTION

A. INSPECT ALL SURFACES TO RECEIVE ROOFING FOR ANY CONDITION THAT WILL ADVERSELY AFFECT EXECUTION, PERFORMANCE, OR QUALITY OF WORK.

B. ALL ROOF SURFACES AND ALL SLOPED SURFACES TO DRAINS AND OUTLETS SHALL BE CHECKED AND APPROVED BY THE ROOFING CONTRACTOR PRIOR TO THE START OF THE ROOFING WORK.

C. INSTALL ROOFING MATERIAL ONLY UNDER SATISFACTORY CONDITIONS AS SPECIFIED BY THE MEMBRANE MANUFACTURER.

3.02 GENERAL REQUIREMENTS

A. PRECAUTIONS

1. DO NOT LAY OUT OR EXPOSE ANY INSULATION ON THE DECK THAT CANNOT BE COVERED BY MEMBRANE ON THE SAME DAY.

2. IN MAKING ALL FIELD HEAT WELDS, MAKE SURE ALL EDGES ARE CLEAN AND FREE OF TAR, MASTIC OR OTHER FOREIGN ITEMS.

3. DO NOT EXPOSE MEMBRANE AND ACCESSORIES TO A CONSTANT TEMPERATURE IN EXCESS OF 110 DEGREES FAHRENHEIT.

4. SEALANTS AND ADHESIVES SHOULD BE APPLIED ACCORDING TO DURO-LAST, INC.'S SPECIFICATIONS.

5. START SECURING THE MEMBRANE AT THE HIGHEST POINT AND WORK TOWARDS THE DRAINS.

B. PROTECTION OF ROOFING SURFACES STORING, WHEELING, OR TRUCKING DIRECTLY ON ROOF INSULATION OR MEMBRANE SURFACE IS NOT RECOMMENDED. SMOOTH, CLEAN PLYWOOD OR PLANK WALKWAYS, RUNWAYS AND PLATFORMS SHALL BE PROVIDED AS NECESSARY.

3.03 INSULATION INSTALLATION

A. THE ROOF INSULATION SHALL BE INSTALLED WITH APPROVED FASTENERS AND DISTRIBUTION PLATES PLACED ACCORDING TO THE MANUFACTURER'S MOST RECENT PUBLISHED SPECIFICATIONS FOR THE USE UNDER THE DURO- LAST ROOFING SYSTEM AND FOR ISSUANCE OF THE WARRANTY.

3.04 MEMBRANE INSTALLATION

A. INSTALL THE ROOFING SYSTEM TO DURO-LAST, INC.'S MOST RECENT PUBLISHED SPECIFICATIONS.

3.05 INSPECTION & WARRANTY

A. AFTER THE INSTALLATION IS COMPLETE, A DURO-LAST QUALITY ASSURANCE SPECIALIST SHALL INSPECT THE VISIBLE DETAILS OF THE ROOFING SYSTEM FOR ACCEPTABILITY FOR WARRANTY ISSUANCE ANY DEFICIENCIES SHALL BE CORRECTED BY THE CONTRACTOR AND MADE READY FOR REINSPECTION WITHIN FIVE (5) WORKING DAYS. UPON ACCEPTANCE, THE WARRANTY SHALL BE PROMPTLY ISSUED.

18215 72ND AVENUE SOUTH
KENT, WA 98032
(425)251-6222
(425)251-8782 FAX

CIVIL ENGINEERING, LAND PLANNING, SURVEYING, ENVIRONMENTAL SERVICES

NO.	DATE	REVISION DESCRIPTION

SEAL:

STATE OF CALIFORNIA
DANIEL BRIAN GOALWIN
C-18865
REN. 8/31/17
LICENSED ARCHITECT

CLIENT:

SATER OIL GROUP, INC.
683 CLIFFSIDE DRIVE SAN DIMAS, CA 91773
909-293-7588

DEVELOPMENT INFORMATION:

STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:

SWC CHILDS AVE & PARSONS ST
MERCED, CALIFORNIA

DESIGNED BY:
CHECKED BY:
DRAWN BY:
VERSION: -
PROJECT NO: 17655

DRAWING TITLE:

SPECIFICATIONS

SHEET NO:

A-802

%%USECTION - 07840 - FIRESTOPPING

A. SUMMARY: FIRESTOPPING MATERIAL FOR PENETRATIONS IN FIRE-RATED CONSTRUCTION.

B. SYSTEM DESCRIPTION:

1. EACH FIRESTOPPING SYSTEM SHALL BE SELECTED TO MAINTAIN FIRE RATING OF THE ASSEMBLY IN WHICH IT USED.

2. FIRESTOPPING SYSTEMS SHALL BE RESILIENT AS NECESSARY TO ACCOMMODATE DIFFERENTIAL MOVEMENT BETWEEN ASSEMBLIES.

C. QUALITY ASSURANCE:

1. PRIOR TO INSTALLATION OF FIRE STOPPING SYSTEMS OBTAIN APPROVAL FROM THE JURISDICTIONAL CODE AUTHORITIES FOR THE FIRE STOPPING SYSTEMS AND APPLICATIONS PROPOSED. NOTIFY THE OWNER / REPRESENTATIVE IF APPROVAL CANNOT BE OBTAINED.

2. FIRESTOPPING: TESTED IN ACCORDANCE WITH ASTM E119, ASTM E814, OR UL 1479 TO MEET THE HOURLY FIRE RATINGS OF THE CONSTRUCTION BEING SEALED. PROVIDE F RATED ASSEMBLIES, EXCEPT WHERE T-RATED ASSEMBLIES ARE REQUIRED BY THE CODE AUTHORITY.

3. FIRESTOPPING SYSTEMS SHALL BE UL LISTED ASSEMBLIES.

D. PRODUCTS:

1. FIRESTOPPING SYSTEMS: SYSTEMS MEETING THE REQUIREMENTS SPECIFIED AND SUITABLE FOR THE CONDITIONS INDICATED.

E. INSTALLATION:

1. PROVIDE FIRESTOPPING AT MECHANICAL, ELECTRICAL, AND PLUMBING PENETRATIONS THROUGH FIRE RATED FLOORS, WALLS, AND CEILINGS, AND OTHER LOCATIONS AS INDICATED ON THE DRAWING'S.

2. INSTALL FIRESTOPPING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND AS NECESSARY TO MEET THE SPECIFIED FIRE RATING REQUIREMENTS.

3. WHERE FIRESTOPPING IS USED TO SEAL AROUND PENETRATIONS THROUGH WATERPROOF MEMBRANES, INSTALL TO MAINTAIN INTEGRITY OF WATERPROOF BARRIER.

4. PATCHING OF HOLES IN EXISTING CONSTRUCTION:

4.1. FILL OPEN HOLES WHICH REMAIN AFTER REMOVAL OF EXISTING MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS, PATCH AND REPAIR HOLES AS NECESSARY TO MATCH THE ADJACENT CONSTRUCTION AND TO MAINTAIN THE FIRE RATING OF THE ASSEMBLIES. FIRESTOPPING SYSTEMS MAY BE USED TO FILL HOLES THAT WILL BE CONCEALED IN THE FINISH CONSTRUCTION.

4.2. WHERE FIRESTOPPING SYSTEMS ARE USED TO FILL FLOOR OPENINGS IN OCCUPIED AREAS, PROVIDE MINIMUM 16 GAGE SHEET METAL COVER AS NECESSARY TO SUPPORT FLOOR LOADS AND TO PREVENT DAMAGE TO THE FIRE STOPPING ASSEMBLIES. SECURE SHEET METAL AS NECESSARY TO PREVENT IRREGULARITIES FROM TELEGRAPHING THROUGH THE FLOOR FINISHES OVER THE SHEET METAL.

%%USECTION - 07850 - FIRE RATED JOINTS

A. SUMMARY:

1. FIRE RATED CONSTRUCTION JOINT ASSEMBLIES IN FIRE-RATED CONSTRUCTION, INCLUDING JOINTS AT THE FOLLOWING LOCATIONS:

1.1. WHERE PARTITION HEADS MEET THE UNDERSIDE OF OVERHEAD FLOOR OR ROOF CONSTRUCTION.

1.2. JOINTS IN FIRE RATED CONCRETE OR MASONRY WALLS.

2. REQUIREMENTS FOR FIRE RATED CONSTRUCTION JOINT ASSEMBLY COMPONENTS PROVIDED IN OTHER SECTIONS.

B. REFERENCES:

1. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

1.1. E119 - METHOD FOR FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS.

2. UNDERWRITERS LABORATORIES (UL)

2.1. STANDARD 2079 - TESTS FOR FIRE RESISTANCE OF BUILDING JOINT SYSTEMS.

C. SYSTEM DESCRIPTION:

1. EACH FIRE RATED CONSTRUCTION JOINT ASSEMBLY SHALL BE SELECTED TO MAINTAIN FIRE RATING OF THE ASSEMBLY IN WHICH IT USED.

2. EACH FIRE RATED CONSTRUCTION JOINT ASSEMBLY SHALL BE RESILIENT AS NECESSARY TO ACCOMMODATE DIFFERENTIAL MOVEMENT BETWEEN ASSEMBLIES.

D. QUALITY ASSURANCE:

1. FIRE RATED CONSTRUCTION JOINT ASSEMBLIES: SUCCESSFULLY TESTED IN ACCORDANCE WITH ASTM E119, INCLUDING HOSE STREAM TEST, TO MEET THE HOURLY RATING OF THE CONSTRUCTION BEING SEALED.

2. FIRE RATED CONSTRUCTION JOINT ASSEMBLIES AT PARTITION HEADS SHALL HAVE BEEN SUCCESSFULLY TESTED IN ACCORDANCE WITH THE DYNAMIC REQUIREMENTS OF UL 2079, INCLUDING HOSE STREAM TEST, TO MEET THE HOURLY FIRE RATINGS OF THE CONSTRUCTION BEING SEALED.

E. FIRE RATED CONSTRUCTION JOINT ASSEMBLIES:

1. METAL STUD PARTITION HEAD CONSTRUCTION JOINT ASSEMBLY:

1.1. SYSTEM: BASED ON UL ASSEMBLIES LISTED ON THE DRAWINGS.

1.2. FIRE RATED RUNNER: "FIRE TRAK" BY FIRE TRAK CORPORATION, KIMBALL MN (612-398-7800).

1.3. GYPSUM BOARD: AS SPECIFIED IN SECTION 09250.

1.4. FILL, VOID, OR CAVITY MATERIAL: AS LISTED IN THE FIRE RATED ASSEMBLY .

F. INSTALLATION:

1. INSTALL CONSTRUCTION JOINT ASSEMBLIES IN ACCORDANCE WITH THE FIRE RATED ASSEMBLIES LISTED, AND AS NECESSARY TO MEET THE SPECIFIC FIRE RATING REQUIREMENTS.

2. COORDINATE INSTALLATION OF INTEGRAL COMPONENTS AS NECESSARY TO ENSURE THE FIRE RATING OF THE ASSEMBLIES.

%%USECTION - 07920 - JOINT SEALANTS

A. QUALITY ASSURANCE: USE ONLY SKILLED INSTALLERS SPECIALLY TRAINED IN THE TECHNIQUES OF SEALING, AND FAMILIAR WITH THE PUBLISHED RECOMMENDATIONS OF THE MANUFACTURERS OF THE SEALANTS BEING USED.

B. SEALANTS:

1. TYPE S - NEUTRAL CURE SILICONE SEALANTS:

1.1. DOW CORNING, 790 SILICONE BUILDING SEALANT, OR 795 SILICONE STRUCTURAL GLAZING AND WEATHERPROOFING SEALANT.

1.2. PECORA, 890 ARCHITECTURAL SILICONE SEALANT.

2. TYPE PTNS: ASTM C920, TYPE M, GRADE NS, CLASS 25; PECORA "DYNATRED," TREMCO "HPL," OR APPROVED; CUSTOM COLORS TO MATCH ADJACENT GROUT COLOR.

3. TYPE A: ASTM C834; TREMCO "ACRYLIC LATEX CAULK", PECORA "AC-20", SONNEBORN "SONOLAC" OR APPROVED.

4. TYPE SM: MILDEW RESISTANT SILICONE SEALANT: USDA APPROVED; DOW CORNING 786 BY DOW CHEMICAL, GE SANITARY SEALANT OR APPROVED; CLEAR.

5. TYPE SG: SILL GASKET: DOW STYROFOAM SILL SEAL FOAM GASKET

C. ACCESSORY MATERIALS:

1. PRIMER: NON-STAINING TYPE, RECOMMENDED BY SEALANT MANUFACTURER TO SUIT APPLICATION.

2. JOINT CLEANER: NON-CORROSIVE AND NON-STAINING TYPE, RECOMMENDED BY SEALANT MANUFACTURER; COMPATIBLE WITH JOINT FORMING MATERIALS.

3. JOINT FILLER: CLOSED CELL POLYETHYLENE FOAM; ROUND PROFILE; THICKNESS: 130%%% OF JOINT WIDTH.

4. BOND BREAKER: PRESSURE SENSITIVE TAPE RECOMMENDED BY SEALANT MANUFACTURER TO SUIT APPLICATION.

D. PREPARATION:

1. CLEAN AND PREPARE JOINTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REMOVE LOOSE MATERIALS AND OTHER FOREIGN MATTER THAT MIGHT IMPAIR ADHESION OF SEALANT.

2. APPLY MASKING TIGHTLY AROUND JOINTS TO PROTECT ADJACENT SURFACES FROM EXCESS SEALANT.

3. PRIME AS REQUIRED FOR PROPER BOND TO SUBSTRATE MATERIALS.

4. PLACE BACKING MATERIALS TO ACHIEVE PROPER SEALANT WIDTH/DEPTH RATIOS. USE BOND BREAKER WHERE REQUIRED.

E. INSTALLATION:

1. PERFORM WORK IN ACCORDANCE WITH ASTM C1193, UNLESS SPECIFIED OTHERWISE OR RECOMMENDED OTHERWISE BY THE SEALANT MANUFACTURER

2. SEALANT BEADS SHALL HAVE A SECTIONAL WIDTH TO DEPTH RATIO OF 2 TO 1.

3. INSTALL TYPE PTNS SEALANT FULL DEPTH IN TILE EXPANSION JOINTS WITH NO BACKER ROD.

4. TOOL JOINTS CONCAVE, UNLESS INDICATED OTHERWISE. FINISH FREE OF AIR POCKETS, FOREIGN EMBEDDED MATTER, RIDGES, AND SAGS.

F. 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.

G. SCHEDULE:

1. TYPE S: PROVIDE AT ALL EXTERIOR JOINTS; STANDARD COLORS AS SELECTED BY OWNER / REPRESENTATIVE.

2. TYPE PTNS: PROVIDE AT ALL EXPANSION JOINTS IN STONE AND TILE; CUSTOM COLORS TO MATCH GROUT SAMPLES SUBMITTED BY THE TILE INSTALLER.

3. TYPE A: PROVIDE AT ALL INTERIOR JOINTS, UNLESS SPECIFIED OTHERWISE; STANDARD COLORS TO MATCH ADJACENT CONSTRUCTION.

4. TYPE SM: PROVIDE AT JOINTS AROUND COUNTER

5. TYPE SG: PROVIDE AT ALL LOCATIONS WHERE A WOOD SILL PLATE OCCURS OVER A CEMENT OR MASONRY SURFACE.

%%USECTION 08100 - METAL DOORS AND FRAMES

A. FIRE LABELS:

PROVIDE UNDERWRITERS' LABELS ON DOORS AND FRAMES WHERE, AND OF CLASS INDICATED.

B. REFERENCE STANDARDS:

1. STEEL DOOR INSTITUTE:

SDI-100 RECOMMENDED SPECIFICATIONS FOR STANDARD STEEL DOORS AND FRAMES.

2. NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS

NAAMM-CHM1 SPECIFICATIONS FOR CUSTOM HOLLOW METAL DOORS AND FRAMES

3. AMERICAN SOCIETY FOR TESTING AND MATERIALS:

ASTM A366 SPECIFICATION OF STEEL, CARBON, COLD-ROLLED SHEET QUALITY COMMERCIAL.

C. MATERIALS:

1. CONFORM TO NAAMM, PAGES 3 THROUGH 6. CONFORM TO NAAMM FOR LABELED CONSTRUCTION

2. ZINC-COAT ANY EXTERIOR DOORS, AND DOOR FRAMES, WHEN APPLICABLE STANDARD.

3. SOUND DEADENING: MANUFACTURER'S STANDARD INORGANIC NON COMBUSTIBLE INSULATION.

4. ANCHORS FASTENERS, AND ACCESSORIES: MANUFACTURER'S

D. STEEL DOOR FRAME FABRICATION AND MANUFACTURER:

KNOCK DOWN FRAMES: PROVIDE STANDARD TYPE, KNOCKED-DOWN FRAMES DESIGNED TO BE SECURELY INSTALLED IN THE ROUGH OPENING AFTER FINISH WALL MATERIAL IS APPLIED

E. PREPARATION OF FINISH HARDWARE:

1. WORK TO TEMPLATES FOR ALL HARDWARE. CONFORM TO STANDARDS OF HARDWARE MANUFACTURER

F. INSTALLATION:

1. CONFORM TO NAAMM, PAGE 6, PART 3

2. KNOCK-DOWN FRAMES: FILL FRAME MITER WITH APPROVED FILLER, AND SMOOTH AND PRIME.

%%USECTION - 08115 - HOLLOW METAL DOORS AND FRAMES

A. SUMMARY: HOLLOW STEEL DOORS AND FRAMES.

B. REFERENCES:

1. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA): NFPA 80 - FIRE DOORS AND WINDOWS.

2. STEEL DOOR INSTITUTE (SDI):

2.1. SDI-100 - STANDARD STEEL DOORS AND FRAMES.

2.2. SDI-105 - RECOMMENDED ERECTION INSTRUCTIONS FOR STEEL FRAMES.

3. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

3.1. A366 - SPECIFICATION FOR STEEL, CARBON, COLD ROLLED SHEET, COMMERCIAL QUALITY.

3.2. A569 - SPECIFICATION FOR STEEL, CARBON (0.15 MAXIMUM PERCENT), HOT ROLLED SHEET AND STRIP, COMMERCIAL QUALITY.

C. QUALITY ASSURANCE:

1. CONFORM TO REQUIREMENTS OF SDI-100.

2. REGULATORY REQUIREMENTS:

2.1. INSTALLED FRAME AND DOOR ASSEMBLY SHALL CONFORM TO NFPA 80 FOR FIRE RATED CLASS INDICATED.

2.2. WHERE DOORS ARE NOTED WITH AN HOURLY FIRE RESISTANCE RATING, PROVIDE DOOR AND FRAME ASSEMBLIES LABELED BY UNDERWRITER'S LABORATORY OR ANY OTHER TESTING LABORATORY APPROVED BY THE LOCAL CODE AUTHORITIES, TO MEET THE HOURLY FIRE RATING NOTED. ASSEMBLIES SHALL MEET JURISDICTIONAL REQUIREMENTS FOR POSITIVE PRESSURE.

2.3. WHERE A HOLLOW METAL FRAME IS USED AS A GLAZED OPENING IN AN INTERIOR FIRE RATED WALL ASSEMBLY, THE FRAME SHALL BE LABELED TO MATCH THE FIRE RATING REQUIRED FOR A DOOR ASSEMBLY IN THE FIRE RATED WALL, EXCEPT IN A 1 HOUR FIRE RATED CORRIDOR WALL ASSEMBLY, THE GLAZED FRAME SHALL BE LABELED TO A 45 MINUTE RATING. IN A 1-HOUR FIRE RATED CORRIDOR WALL ASSEMBLY, WHERE THE DOOR FRAME IS INTEGRAL WITH THE GLAZED FRAME, THE FRAME SHALL HAVE A 45 MIN. RATING.

3. INCLUDE "S" LABEL ON FIRE RATED DOOR ASSEMBLIES WHICH ARE LOCATED AT 1 HOUR RATED EXIT CORRIDORS WHEN REQUIRED BY LOCAL JURISDICTION.

4. MEMBERS OF THE STEEL DOOR INSTITUTE AND OF THE NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURER'S, SUBJECT TO COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.

D. MATERIALS:

3. STEEL SHEET: COLD ROLLED ASTM A366, OR HOT ROLLED PICKLED AND OILED SHEET CONFORMING TO ASTM A569.

E. DOORS:

1. SDI-100, SEAMLESS DESIGN.

2. MINIMUM 18-GAGE FACE SHEETS FOR INTERIOR DOORS; MINIMUM 16 GAGE FACE SHEETS FOR EXTERIOR DOORS.

3. CORE:

3.1. INTERIOR DOORS: VERTICAL STEEL STIFFENERS WITH SOUND DEADENING FILL BETWEEN STIFFENERS, OR RESIN IMPREGNATED KRAFT PAPER HONEYCOMB CORE.

3.2. EXTERIOR DOORS: POLYSTYRENE OR POLYURETHANE FOAM CORE.

4. PROVIDE CONTINUOUSLY WELDED SEAMLESS EDGES. NO PLASTIC FILLERS WILL BE ACCEPTED.

F. FULLY WELDED FRAMES:

1. DESIGN: DOUBLE RABBET, UNLESS INDICATED OTHERWISE; FULLY WELDED.

2. EXTERIOR FRAMES: MINIMUM 14 GAGE.

3. INTERIOR FRAMES: MINIMUM 16 GAGE FOR FRAMES OF DOOR OPENINGS UP TO AND INCLUDING 4 FEET IN WIDTH; 14 GAGE FOR FRAMES GREATER THAN 4 FEET IN WIDTH.

4. PROVIDE EXTENDED RETURN LEG AT EXTERIOR OPENINGS AS INDICATED TO SUPPORT SEALANT SYSTEMS.

G. FABRICATION:

1. SHOP-FABRICATE UNITS TO ACCOMMODATE THE HARDWARE SPECIFIED IN SECTION 08710.

2. FABRICATE FRAMES AND DOORS WITH HARDWARE REINFORCEMENT PLATES WELDED IN PLACE. REINFORCE FOR BUTTS, CLOSERS, AND OTHER SIMILAR MOVING HARDWARE ITEMS. REINFORCING SHALL BE MINIMUM 3/16-INCH STEEL PLATE. REINFORCE EACH BUTT WITH MINIMUM 10-1/2 X 1-1/2 INCH PLATE ON HINGE SIDES OF BOTH DOOR AND FRAME. REINFORCE FOR CLOSERS THE FULL WIDTH OF THE DOOR.

3. REINFORCE FRAMES WIDER THAN 48 INCHES WITH ROLL FORMED STEEL CHANNELS FITTED TIGHTLY INTO FRAME HEAD, FLUSH WITH TOP.

4. CLOSE TOP AND BOTTOM EDGES OF DOORS WITH STEEL CHANNEL MINIMUM 16-GAUGE EXTENDING FULL WIDTH OF DOOR, SPOT-WELDED TO BOTH FACES. CLOSE TOP EDGES OF EXTERIOR DOORS FLUSH WITH STEEL FILLER CAP; SEAL JOINTS WATERTIGHT.

5. FINISH AT EXTERIOR UNITS: MODIFIED EPOXY ESTER BAKED-ON PRIMER TO RECEIVE URETHANE COATING SPECIFIED IN SECTION 09900; OR "SERIES 69 EPOXOLINE II," BY TNEMEC, OR SERIES 888" BY CARBOLINE.

6. PROVIDE METAL RAIN HOOD FOR EXTERIOR DOOR FRAMES.

7. ATTACH FIRE RATED LABEL TO EACH FRAME AND DOOR UNIT.

H. INSTALLATION OF WELDED FRAMES:

1. INSTALL FRAMES IN ACCORDANCE WITH SDI-105 AND IN ACCORDANCE WITH LABELING REQUIREMENTS.

2. COORDINATE WITH WALL CONSTRUCTION FOR ANCHOR PLACEMENT.

3. INSTALL ACCESSORIES.

4. INSTALLATION TOLERANCES:

4.1. MAXIMUM DIAGONAL DISTORTION: 1/16 INCH MEASURED WITH STRAIGHT EDGE, CORNER TO CORNER.

4.2. INSTALL DOORS PLUMB AND LEVEL TO 1/16 INCH IN 7 FEET.

I. DOOR INSTALLATION:

1. FIT AND PREPARE DOORS FOR INSTALLATION IN ACCORDANCE WITH THE DOOR MANUFACTURER'S PRINTED INSTRUCTIONS.

2. INSTALL DOORS PLUMB AND SQUARE.

3. FABRICATE FOR 1/8 INCH CLEARANCE AT HEAD AND EACH JAMB, 1/8 INCH BETWEEN PAIRS OF DOORS, 3/8 INCH CLEARANCE FROM HARD SURFACE FINISH FLOOR, 3/4 INCH FROM HARD SURFACE BENEATH DOORS AT OPENINGS INDICATED TO RECEIVE CARPETING, AND 3/16 INCH CLEARANCE ABOVE TOP OF THRESHOLD.

4. INSTALL ROSES, KICK PLATES, CLOSERS, AND OTHER SURFACE MOUNTED HARDWARE ONLY AFTER DOOR FINISHING IS COMPLETE AND FINISHES ARE COMPLETELY CURED.

5. FIT HOLLOW METAL DOORS IN ACCORDANCE WITH SDI 100.

6. DOOR AND HARDWARE INSTALLATION IS SPECIFIED IN SECTION 08710.

%%USECTION 08210 - WOOD DOORS

A. DESCRIPTION OF SYSTEMS: REFER TO "DOOR SCHEDULE" FOR DOOR SPECIFICATION.

B. CODES AND STANDARDS:

%%USECTION - 08305 - ACCESS DOORS

A. ACCEPTABLE MANUFACTURERS:

1. ACCESS PANEL SOLUTIONS (877) 592-0033

B. DOOR TYPES:

1. NON RATED CONCEALED DRYWALL ACCESS DOOR:

1.1. RECESSED TYPE DESIGN.

1.2. GLASS FIBER REINFORCED PANEL

1.3. INTEGRAL ATTACHMENT FLANGE AND DRYWALL BEAD FOR FLUSH INSTALLATION.

1.4. FULLY CONCEALED PIVOT ROD HINGE.

1.5. LATCHES: SCREWDRIVER OPERATED CAM LATCH.

C. MINIMUM SIZES: PROVIDE ACCESS DOORS IN SIZES INDICATED. WHEN NOT INDICATED PROVIDE 12" X 12" SIZE FOR HAND ACCESS, AND 24" x 24" SIZE FOR MAN ENTRY.

D. INSTALLATION:

1. 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 OR MAINTENANCE THROUGH FINISHED WALLS OR CEILING, WHETHER INDICATED OR NOT.

2. COORDINATE ACCESS REQUIREMENTS WITH OTHER TRADES AND LANDLORD.

%%USECTION - 08415 - ALUMINUM STOREFRONTS AND ENTRANCES

%%UREFER TO SHEET A-602

%%USECTION - 08710 - DOOR HARDWARE

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 THE OWNER, OWNER / REPRESENTATIVE, OR CONTRACTOR FOR PROJECT HARDWARE CONSULTATION.

B. INSTALLER: FINISH HARDWARE SHALL BE INSTALLED ONLY BY EXPERIENCED TRADESMEN IN COMPLIANCE WITH TRADE UNION JURISDICTIONS, EITHER AT THE DOOR AND FRAME FABRICATION PLANT OR AT THE PROJECT SITE.

C. CODES:

1. ALL FINISH HARDWARE SHALL COMPLY WITH APPLICABLE LOCAL AND/OR STATE CURRENT BUILDING CODES.

2. HARDWARE FOR FIRE-RATED OPENINGS SHALL ALSO BE IN COMPLIANCE WITH ALL FIRE AND 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 DOOR FRAME 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 & CONTENTS

E. IN ADDITION TO REQUIRED ONE-YEAR WARRANTY UNDER CONDITIONS OF THE CONTRACT, FURNISH 5-YEAR UNCONDITIONAL GUARANTEES FOR ALL DOOR CLOSERS, UNDER PROVISIONS OF SECTION 01700

F. 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 THE OWNER.

G. FURNISH 2 SETS OF SPECIAL TOOLS FOR INSTALLATION AND MAINTENANCE OF HARDWARE. TOOLS FOR MAINTENANCE AND ADJUSTMENTS ARE TO BE DELIVERED TO THE OWNER UPON COMPLETION OF THE WORK.

H. IN GENERAL, UNLESS OTHERWISE INDICATED, FINISHES SHALL BE AS FOLLOWS:

1. SATIN STAINLESS US32D

I. GENERAL: CONSTRUCTION MASTERKEY ALL LOCKSETS AND CYLINDER ITEMS; PROVIDE 6 CONSTRUCTION MASTERKEYS.

J. KEYING: CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL KEYING, AS FOLLOWS:

1. CONSULT WITH OWNER / AUTHORIZED REPRESENTATIVE AND PREPARE DETAILED KEYING SCHEDULE ACCORDINGLY. OWNER'S REPRESENTATIVE WILL COORDINATE KEYING REQUIREMENTS WITH AUTHORIZED REPRESENTATIVE OF HARDWARE SUPPLIER.

2. ALL LOCKS AND LOCKSETS SHALL ACCOMMODATE "BEST" 7-PIN KEYING SYSTEM.

3. STAMP "DO NOT DUPLICATE" ON ALL KEYS.

K. HARDWARE:

1. HARDWARE IS SCHEDULED ON THE DRAWINGS.

2. COMPLY WITH REQUIREMENTS INDICATED BELOW.

L. BUTTS:

1. PROVIDE BUTTS ON EXTERIOR DOORS WITH NON-REMOVABLE PINS (SET SCREW IN BARREL, PIN NON REMOVABLE WHEN DOOR IS CLOSED), AND SAFETY STUD.

2. PROVIDE FULL THREADED WOOD SCREWS FOR WOOD DOORS AND/OR JAMBS.

3. BUTT WIDTHS LISTED ARE MINIMUM. PROVIDE BUTTS OF WIDER THROW TO SUIT CONDITIONS FOR 180 DEGREE OPERATION OF DOORS, STRUCTURAL CONDITIONS PENDING.

M. LOCKSETS, DEADLOCKS, CYLINDERS AND PADLOCKS:

1. PROVIDE NEW CYLINDER AT EACH EXISTING DOOR THAT HAS DEADLOCK OR LOCKSET.

2. PROVIDE LOCK STRIKES WITH MINIMUM PROJECTION TO PROTECT TRIM.

3. PROVIDE WROUGHT BOXES FOR LOCKSETS AND DEADLOCKS.

4. PROVIDE DEADLOCKS WITH ARMORED FRONTS.

5. FUNCTION AS INDICATED IN HARDWARE GROUPS.

6. DEAD BOLTS AT EXTERIOR DOORS SHALL HAVE A MINIMUM THROW OF 1 INCH AND MINIMUM EMBEDMENT OF 3/4 INCH.

N. DOOR CLOSERS:

1. ALL OVERHEAD CLOSERS TO BE MOUNTED ON INTERIOR SIDE OF DOOR. NO THRU BOLTS.

2. PROVIDE MOUNTING BRACKETS AND PROPER LENGTH ARMS TO SUIT ALL CONDITIONS. PROVIDE ARM OPTIONS AS SCHEDULED OR RECOMMENDED BY MANUFACTURER.

3. SIZES SHALL BE AS RECOMMENDED BY THE MANUFACTURER. CLOSERS SHALL HAVE A 5-YEAR UNCONDITIONAL GUARANTEE. FINISH SHALL MATCH LOCKSETS

4. PROVIDE FULL METAL COVERS AT OVERHEAD CLOSERS UNLESS OTHERWISE INDICATED; MATCH FINISH OF LOCKSET/LATCHSET AT EACH DOOR.

5. CLOSURE PRESSURE: SET TO 8.5 POUNDS FOR EXTERIOR DOORS AND 5 LBS FOR INTERIOR DOORS, PER CURRENT REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT.

O. DOOR STOPS AND OVERHEAD STOPS:

1. LOCATE FLOOR STOPS FREE FROM FOOT TRAFFIC.

P. THRESHOLDS:

1. MANUFACTURER: PEMKO INC., VENTURA, CA

2. TYPES AS SCHEDULED IN THE DRAWINGS.

3. INSTALL THRESHOLDS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

Q. MISCELLANEOUS:

1. PROVIDE SILENCERS FOR ALL DOORJAMBS, 3 FOR SINGLE JAMBS AND 4 FOR DOUBLE JAMBS.

R. FURNISH FOR EACH DOOR THE ITEMS SCHEDULED WITHIN THE DESIGNATED HARDWARE GROUPS AS SHOWN ON THE DRAWINGS.

S. ADJUSTMENTS AND TESTING:

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

2. ADJUST CLOSER PRESSURES AS SPECIFIED IN SECTION 08710, UNLESS OTHERWISE REQUIRED BY JURISDICTIONAL AUTHORITIES.

3. TESTING:

3.1. TEST CLOSER FOR COMPLIANCE WITH REQUIREMENTS OF SECTION 08710, INCLUDING OPENING FORCE AND CLOSING SPEED REQUIRED BY JURISDICTIONAL AUTHORITIES.

3.2. PROVIDE TESTING DEVICE, OPERATE TEST AT EACH DOOR, AND PROVIDE A WRITTEN REPORT ON RESULTS OF TESTS.

3.3. TESTING DEVICE SHALL REMAIN IN THE POSSESSION OF THE OWNER.

%%USECTION - 08800 GLAZING

A. SUMMARY:

1. GLASS AND GLAZING FOR G.C. FURNISHED & INSTALLED INTERIOR AND EXTERIOR ALUMINUM STOREFRONT SYSTEMS

2. TRANSLUCENT WINDOW FILM (WHEN INDICATED ON THE DRAWINGS)

B. MATERIALS:

1. GLASS: PROVIDE THE FOLLOWING GLASS AS SCHEDULED AT THE END OF THIS SECTION:

1.1. CLEAR GLASS: ASTM C1036, TYPE I, CLASS 1, CLEAR, QUALITY Q3 GLAZING SELECT.

2. ACCESSORIES:

2.1. SETTING BLOCKS: COMPATIBLE WITH SILICONE SEALANTS; 70-90 SHORE A HARDNESS.

2.2. SPACERS: COMPATIBLE WITH SILICONE SEALANT.

2.3. GLAZING TAPE: TREMCO "CCN" SPONGE, OR APPROVED.

2.4. SILICONE SEALANT: DOW CORNING "795"; CLEAR COLOR.

3. ACCEPTED MANUFACTURERS:

3.1.

C. FABRICATION:

1. INSULATING GLASS UNITS:

1.1. DUAL LITE UNITS FABRICATED FROM GLASS AS SCHEDULED; DUAL SEAL SYSTEM.

1.2. TWIN SEALS; POLYISOBUTYLENE PRIMARY SEAL AND SILICONE SECONDARY SEAL. OUTER SEAL SHALL BE COMPATIBLE WITH GLAZING SYSTEM.

1.3. 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.

1.4. CERTIFIED THROUGH THE INSULATING GLASS CERTIFICATION COUNCIL (IGCC) IN ACCORDANCE WITH ASTM E773 AND E774; CERTIFIED TO LEVEL CBA.

1.5. EACH PIECE SHALL BEAR CERTIFICATION NUMBER, DATE, AND MANUFACTURER'S IDENTIFICATION MARK.

1.6. PROVIDE TEN-YEAR MANUFACTURER'S WARRANTY, COVERING SEAL FAILURE, INTERPANE DUSTING OR MISTING.

2. TEMPERED GLASS:

2.1. GLASS WHICH HAS BEEN HEAT TREATED TO STRENGTHEN GLASS IN BENDING TO NOT LESS THAN 4.5 TIMES THE ANNEALED STRENGTH; FREE OF "TONG MARKS." CERTIFIED SAFETY GLASS IN ACCORDANCE WITH ANSI Z97.1.

2.2. FABRICATE TEMPERED GLASS UNITS SO THAT PRINCIPLE DISTORTION WILL BE IN THE HORIZONTAL DIRECTION IN THE FINISHED INSTALLATION.

2.3. UNLESS OTHERWISE APPROVED BY THE BUILDING OFFICIAL, PROVIDE MANUFACTURER'S LABEL ON EACH LITE, INDICATING TYPE AND THICKNESS OF GLASS.

BARGHAUSEN CONSULTING ENGINEERS, INC.

18215 72ND AVENUE SOUTH
KENT, WA 98032
(425)251-6222
(425)251-8782 FAX

CIVIL ENGINEERING, LAND PLANNING, SURVEYING, ENVIRONMENTAL SERVICES

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SEAL:

STATE OF CALIFORNIA
DANIEL BRIAN GOALWIN
C-18865
REN. 8/31/17
LICENSED ARCHITECT

CLIENT:

SATER OIL GROUP, INC.
683 CLIFFSIDE DRIVE SAN DIMAS, CA 91773
909-293-7588

DEVELOPMENT INFORMATION:

STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:

SWC CHILDS AVE & PARSONS ST
MERCED, CALIFORNIA

DESIGNED BY:	
CHECKED BY:	
DRAWN BY:	
VERSION: - -	PROJECT NO: 17655

DRAWING TITLE:

SPECIFICATIONS

SHEET NO:

A-803

3. LOW-E COATING: PPG INDUSTRIES, PITTSBURGH, PA SOLARBAN 60.

D. INSTALLATION:

1. GLAZE IN ACCORDANCE WITH GLASS ASSOCIATION OF NORTH AMERICA (GANA) GLAZING MANUAL.

2. SETTING BLOCKS: PLACE SETTING BLOCKS IN FRAMES FOR SUPPORT OF GLASS. PLACE AT QUARTER POINTS UNLESS APPROVED OTHERWISE.

3. SET GLASS TIGHTLY IN POSITION WITH PROPER CLEARANCES IN ACCORDANCE WITH THE REFERENCED STANDARDS.

4. PERIMETER GLASS CLEARANCES WITHIN SETTING FRAME SHALL BE IN ACCORDANCE WITH GANA RECOMMENDATIONS, AND AS REQUIRED TO PROVIDE FOR WIND, EARTHQUAKE DRIFT, AND THERMAL EXPANSION.

5. UNLESS SPECIFIED OTHERWISE, GLAZE UNITS WITH GASKETS FURNISHED WITH THE FRAMING SYSTEMS SPECIFIED IN OTHER SECTIONS.

6. PROVIDE REPLACEMENT-GLAZING GASKETS WHERE EXISTING FRAMES ARE REGLAZED.

7. GLAZING FOR INTERIOR NON-RATED DOORS AND WINDOWS, WHERE GASKETS ARE NOT FURNISHED:

7.1. GLAZE WITH GLAZING TAPE.

7.2. PRE-MEASURE AND CUT TAPES TO REQUIRED LENGTHS; ADHERE TO FIXED STOPS, SETTING HORIZONTAL TAPE AT HEADS AND SILLS BEFORE VERTICAL TAPE.

7.3. INSTALL TAPE WITH TIGHT BUTT JOINTS; NO OVERLAPS WILL BE ACCEPTED. SET TAPE WITH STRAIGHT LINES LEVEL WITH FRAME SIGHT LINE.

7.4. POSITION GLASS, UNIFORMLY SEALING AGAINST TAPE. INSTALL INSIDE REMOVABLE STOPS AND PLACE TAPE IN STOPS FORMING A UNIFORM SEAL AGAINST GLASS, LEVEL WITH SIGHT LINES.

8. GLAZING FOR FIRE RATED DOORS AND WINDOWS: GLAZE IN ACCORDANCE WITH NFPA 80, UNLESS REQUIRED OTHERWISE BY THE LABELING REQUIREMENT OF THE FRAME.

E. WINDOW FILM: REFER TO FINISH SCHEDULE.

F. SCHEDULE:

1.0.1. REFER TO FINISH SCHEDULE

INTERIOR PAN

G. PROVIDE TEMPERED SAFETY GLASS WHEN LOCATED IN THE FOLLOWING AREAS:

1. IN ALL HINGED AND SLIDING GLAZED DOORS, EXCEPT WHERE WIRE GLASS IS REQUIRED TO MEET FIRE RATING REQUIREMENTS.

2. GLASS WHO'S NEAREST VERTICAL EDGE IS WITHIN 24 INCHES OF A DOOR OPENING, AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR OR WALKING SURFACE.

3. GLASS UNITS LARGER THAN 9 SQUARE FEET IN AREA, WHOSE BOTTOM EDGE IS WITHIN 18 INCHES OF A FLOOR OR WALKING SURFACE WHICH IS IN TURN WITHIN 36 INCHES MEASURED HORIZONTALLY FROM THE GLASS UNIT.

%%USECTION - 09111 - LIGHT GAGE METAL SUPPORT FRAMING

A. SYSTEM DESCRIPTION:

1. SELECT FRAMING SYSTEMS, GAGES, SUPPORTS, BRACING, AND CONNECTIONS AS NECESSARY TO RESIST THE DESIGN LOADS SPECIFIED.

2. PARTITION FRAMING SHALL CONFORM TO THE WIDTHS INDICATED, UNLESS APPROVED OTHERWISE. PROVIDE HEAVIER GAGES AND DECREASED STUD SPACING AS NECESSARY TO MEET THE STRUCTURAL REQUIREMENTS.

3. STRUCTURAL REQUIREMENTS:

3.1. DEFLECTION REQUIREMENTS: MAXIMUM OF 1/240 THE SPAN.

3.2. DESIGN LOADS:

3.2.1. INTERIOR CEILING ASSEMBLIES: 5 POUNDS PER SQUARE FOOT UNIFORM LIVE LOAD, PLUS DEAD LOADS.

3.2.2. INTERIOR PARTITIONS WITHOUT WALL MOUNTED CASEWORK: 5 POUNDS PER SQUARE FOOT UNIFORM LIVE LATERAL LOAD.

3.2.3. INTERIOR PARTITIONS WITH WALL MOUNTED CASEWORK: 5 POUNDS PER SQUARE FOOT UNIFORM LIVE LATERAL LOAD, PLUS CASEWORK DEAD LOAD, PLUS CASEWORK LIVE LOAD OF 25 PSF OF SHELF AND COUNTER TOP AREA.

B. CODE REQUIREMENTS:

1. 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 THAT ARE A PART OF EACH ASSEMBLY.

2. FIRE RATING REQUIREMENTS TAKE PRECEDENCE OVER THE CONSTRUCTION REQUIREMENTS INDICATED. IN THE EVENT OF CONFLICT, NOTIFY THE OWNER / REPRESENTATIVE, AND DO NOT BEGIN CONSTRUCTION IN THE AREA OF CONFLICT UNTIL THE CONFLICT HAS BEEN RESOLVED.

3. 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.

C. MATERIALS:

1. 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 INDICATED ON THE DRAWINGS, AND AS SPECIFIED; MINIMUM 25 GAGE.

2. COLD ROLLED CHANNELS: RUST INHIBITIVE PAINT COATING; SIZES IN ACCORDANCE WITH ASTM C754.

3. SCREWS: SELF-TAPPING; LOW PROFILE HEAD.

4. OTHER FRAMING MATERIALS: FURNISH IN ACCORDANCE WITH ASTM C754.

4.1. SECURE RUNNERS WITH FASTENERS AT MAXIMUM 24 INCHES O.C.

4.2. AT CONCRETE FLOORS, USE POWDER DRIVEN FASTENERS OR DRILLED IN CONCRETE ANCHORS.

4.3. WHERE WALLS ARE INDICATED AS NOT BEING CONTINUOUS TO STRUCTURE ABOVE, ATTACH TOP RUNNER TO ACOUSTICAL CEILING GRID WITH SCREWS AT 24 INCHES ON CENTER. PROVIDE SPACER STRIP BETWEEN RUNNER AND CEILING SUSPENSION SYSTEM TO ALLOW TEGULAR OR REVEAL EDGE ACOUSTICAL PANELS TO CLEAR PARTITION.

D. PARTITION FRAMING:

1. RUNNERS:

2. 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.

4. BRACE PARTITION FRAMING SYSTEM AND MAKE RIGID. PROVIDE DIAGONAL STUD BRACING AT 8 FT ON CENTER AT ALL FRAMING THAT DOES NOT EXTEND TO STRUCTURE.

5. INSTALL DOUBLE STUDS CONTINUOUS FROM FLOOR TO TOP TRACK AT THE JAMB OF EACH DOOR FRAME AND CASED OPENING. STUDS SHALL BE AT LEAST THE SAME GAGE AS THE ADJACENT STUDS, BUT IN NO CASE LESS THAN 20-GAGE.

6. PROVIDE MINIMUM 20 GAGE STUDS AT ALL PARTITIONS SUPPORTING CASEWORK OR COUNTER TOPS.

7. COORDINATE ERECTION OF STUDS WITH INSTALLATION OF SERVICE UTILITIES. ALIGN STUD WEB OPENINGS.

8. 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 CONSTRUCTION.

9. 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.

10. STUD SPLICING NOT PERMISSIBLE.

11. AT NON-LOAD BEARING FULL HEIGHT PARTITIONS SUBJECT TO COMPRESSION CAUSED BY OVERHEAD STRUCTURAL DEFLECTION, CUT STUDS 1/2 INCH SHORT FROM FULL HEIGHT. DO NOT RIGIDLY CONNECT STUD TO TOP RUNNER.

12. STUD BRIDGING:

12.1. 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 PARTITION.

12.2. 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 STUDS.

12.3. INSTALL STUD BRIDGING CHANNELS IN LONG LENGTHS, WIRE TYING AND LAPPING THE JOINTS A MINIMUM OF 12." ATTACH BRIDGING CHANNEL TO EACH STUD AS SHOWN IN MANUFACTURER'S PRINTED INSTRUCTIONS.

E. BACKING:

1. BLOCKING AND BACKING SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 06100.

F. STUD AND RUNNER CEILING FRAMING:

1. SECURE RUNNERS TO STRUCTURE ABOVE WITH FASTENERS AS SHOWN ON THE DRAWINGS.

2. SCREW-FASTEN FRAMING AT EACH JOINT.

3. PROVIDE DETAILING AS INDICATED TO ALLOW FOR DEFLECTION OF BUILDING STRUCTURE.

4. PROVIDE BRACING TO MEET SEISMIC REQUIREMENTS AS REQUIRED BY LOCAL CODE

G. SUSPENDED CEILING FRAMING:

1. PROVIDE SUSPENDED FRAMING AS SPECIFIED IN ASTM C754, UNLESS OTHERWISE DETAILED.

2. SUSPEND CEILING FROM OVERHEAD CONCRETE DECK AND STRUCTURAL ELEMENTS ONLY PER L.L. REQUIREMENTS. DO NOT SUPPORT FROM ANY ELECTRICAL, HVAC, PLUMBING, OR SPRINKLER SYSTEM COMPONENTS. 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.

3. SPACE CARRYING CHANNELS 4 FEET ON CENTER WITH ALL SPLICES LAPPED 12 INCHES AND TIED.

4. SUPPORT COLD ROLLED CARRYING CHANNELS WITH HANGER WIRES SPACED AT 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.

5. SPACE FURRING CHANNELS 16" O.C. WITH ALL SPLICES LAPPED 12", MINIMUM AND TIED; CLIP OR SADDLE TIE TO RUNNER CHANNELS WITH 16GA. TIE WIRE.

6. PROVIDE BRACING TO MEET SEISMIC REQUIREMENTS.

H. INSTALLATION TOLERANCES:

1. INSTALL MEMBERS TO PROVIDE SURFACE PLANE WITH MAXIMUM VARIATION OF 1/8 INCH IN 10 FEET IN ANY DIRECTION.

2. LOCATE ASSEMBLIES WITHIN 1/4 INCH OF REQUIRED LOCATIONS.

SECTION - 09250 - GYPSUM BOARD

A. SUMMARY: INTERIOR GYPSUM BOARD.

B. MATERIALS:

1. GYPSUM BOARD:

1.1. 5/8 INCH THICK UNLESS NOTED OTHERWISE; PROVIDE TYPE X IN FIRE RATED PARTITIONS.

1.2. STANDARD BOARD: ASTM C36.

1.3. WATER RESISTANT BOARD: ASTM C630.

2. ACCESSORIES:

2.1. TRIM: CONCEALED FLANGE CRIMP-ON OR TAPE-ON TYPE; METAL OR PVC AT CONTRACTOR'S OPTION; GA 216.

2.2. JOINT COMPOUND, TAPE, AND FINISHING COMPOUND: ASTM C475 AND GA 216; USE SETTING TYPE JOINT COMPOUND AT WATER RESISTANT BOARD.

2.3. GWB PRIME COAT: USG / BEADEX MANUFACTURING COMPANY (AUBURN, WA; 253 931 6600) "PRECOAT." D.) SCREWS: ASTM C1002.

C. INSTALLATION:

1. INSTALLATION STANDARD: UNLESS SPECIFIED OTHERWISE, PERFORM WORK IN ACCORDANCE WITH GYPSUM ASSOCIATION 216, "RECOMMENDED SPECIFICATIONS FOR THE APPLICATION AND FINISHING OF GYPSUM WALLBOARD."

2. INSTALL WATER RESISTANT BOARD AS A SUBSTRATE FOR SURFACES SCHEDULED TO RECEIVE BONDED FINISHES IN RESTROOMS.

3. SCREW-FASTEN BOARD TO FRAMING, UNLESS APPROVED OTHERWISE.

4. INSTALLATION OF GYPSUM BOARD AT CURVED SURFACES.

4.1. INSTALL SINGLE LAYER OF 5/8" BOARD OR MULTIPLE LAYERS OF THINNER BOARD AT INSTALLER'S OPTION.

4.2. FOR THICKER BOARD AND TIGHTER RADII, DAMPEN BOARD, BLOCK TO THE REQUIRED UNIFORM RADIUS, AND ALLOW TO SET FOR APPROX. ONE HOUR PRIOR TO INSTALL.

4.3. FOR RADII TIGHTER THAN 46" DAMPEN BOARD WITH 10 TO 15 OZ OF WATER PER SIDE AND ALLOW TO SOAK FOR 15 MINUTES PRIOR TO INSTALLATION. COMPLY WITH MANUFACTURER'S INSTRUCTIONS FOR ATTACHMENT TO FRAMING.

4.4. INSTALL BOARD WITH LONG DIRECTION PERPENDICULAR TO AXIS OF CURVE RADIUS.

4.5. INSTALL SECOND LAYER IN ACCORDANCE WITH SPECIFICATIONS FOR "MULTIPLE LAYER APPLICATIONS."

4.6. SELECT METHODS TO PRODUCE A UNIFORM RADIUS WITH SMOOTH TRANSITIONS AT JOINTS. INSTALL BOARD TIGHT TO FRAMING.

5. FINISHING:

5.1. PROVIDE FINISHING IN ACCORDANCE WITH GA 214.

5.2. WHERE NECESSARY TO SAND, DO SO WITHOUT DAMAGING THE FACE OF THE GYPSUM BOARD.

5.3. GYPSUM BOARD SURFACES SHALL FORM A SMOOTH SURFACE FREE OF RIDGES, JOINT MARKS, FASTENER DEPRESSIONS, AND JOINT FILLER LINES. TAPERED BOARD JOINTS SHALL BE TAPED, FILLED, AND FEATHERED TO 12 INCHES EITHER SIDE OF THE JOINT. NON-TAPERED BOARD JOINTS SHALL BE TAPED, FILLED, AND FEATHERED TO 18 INCHES EITHER SIDE OF THE JOINT.

5.4. FINISH EXISTING GYPSUM BOARD SURFACES TO REMAIN TO MATCH NEW GYPSUM BOARD SURFACES.

5.5. LEVELS OF FINISH:

5.5.1. LEVEL 5: PROVIDE AT PUBLIC AREAS, INCLUDING SURFACES TO RECEIVE EIFS FINISHES.

5.5.2. LEVEL 4: PROVIDE AT BACK OF HOUSE AREAS.

6. APPLY PRIME COAT TO ALL GWB SURFACES SCHEDULED FOR LEVEL 4 AND LEVEL 5 FINISHES.

%%USECTION - 09300 - INTERIOR TILE

A. SUMMARY: INTERIOR TILE SYSTEMS.

B. REFERENCES:

1. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI):

1.1. A108.5 - CERAMIC TILE INSTALLED WITH DRY-SET AND LATEX PORTLAND CEMENT MORTAR.

1.2. A118.4 - LATEX-PORTLAND CEMENT MORTAR.

2. TILE COUNCIL OF AMERICA (TCA):

2.1. HANDBOOK OF FOR CERAMIC TILE INSTALLATION, CURRENT EDITION.

C. QUALITY ASSURANCE:

1. CONFORM TO ANSI STANDARD SPECIFICATIONS FOR THE INSTALLATION OF TILE.

D. MATERIALS:

1. TILE TYPES: AS SCHEDULED ON THE DRAWINGS.

2. SETTING MATERIALS:

2.1. THINSET MORTAR: LATEX-PORTLAND CEMENT IN ACCORDANCE WITH ANSI A118.4; 100 %%% ACRYLIC LATEX ADDITIVE AT ALL LOCATIONS. "KERABOND" WITH "UNIVERSAL KERALASTIC" BY MAPEI CORP, DEERFIELD. FL (800/462-2734), OR "211 CRETE FILLER POWDER" WITH 4237 LATEX THIN-SET ADDITIVE BY LATICRETE INTERNATIONAL, BETHANY CT (800/243-4788); PROPORTIONS AS RECOMMENDED BY THE MANUFACTURER; OR APPROVED.

2.2. RAPID-SET THIN BED MORTAR: LATEX MODIFIED; MINIMUM 400 PSI 28 DAY SHEAR STRENGTH TO PORCELAIN (IMPERVIOUS) TILES; "GRANI/RAPID" WITH "KER 318" FLEXIBLE ADMIXTURE" BY MAPEI CORP; OR "211 CRETE FILLER POWDER" WITH "4237 LATEX THIN-SET MORTAR ADDITIVE" AND "101 RAPID SET LATEX"(PROPORTIONS AS RECOMMENDED BY THE MANUFACTURER FOR THE SETTING TIME REQUIRED)," BY LATICRETE INTERNATIONAL, INC.

2.3. ORGANIC ADHESIVES: ANSI A136.1, TYPE I; PROVIDE PRIMER/SEALER AS RECOMMENDED BY THE ADHESIVE MANUFACTURER.

3. GROUT:

3.1. "KER 200" BY MAPEI CORP., OR "500 SERIES SANDED GROUT" WITH "1776 GROUT ADMIX PLUS" BY LATICRETE INTERNATIONAL, INC.

3.2. FAST SETTING GROUT: "FLOOR JOINT AND GROUT FILLER" WITH "3701 LATEX MORTAR ADMIXTURE" AND "101 RAPID SET LATEX", BY LATICRETE INTERNATIONAL, INC. (PROPORTIONS AS RECOMMENDED BY THE MANUFACTURER FOR THE SETTING TIME REQUIRED); SANDED, EXCEPT UNSANDED AT JOINTS SCHEDULED AT 1/16 INCH WIDE.

4. METAL SCREED: AS MANUFACTURED BY SCHLUTER SYSTEMS, INC. (800/225-8902); CLEAR ANODIZED ALUMINUM TILE EDGING TRIM; SIZES AS REQUIRED FOR INSTALLATION OF TOP OF SCREED FLUSH WITH TOP OF TILE, OR AS OTHERWISE DETAILED.

5. CRACK ISOLATION MEMBRANE: ONE OF THE FOLLOWING.

5.1. LATICRETE "BLUE 92 ANTI-FRACTURE MEMBRANE".

5.2. "PRP 315" BY MAPEI CORP.

7. SILOXANE TYPE TILE SEALER:

7.1. CERAMASEAL "MAGIC SEAL" BY BOSTIK/CERAMASEAL (800/523-6530).

7.2. MIRACLE SEALANTS "511-H20" BY MIRACLE SEALANTS AND ABRASIVES COMPANY (800/350-1901).

8. CEMENTITIOUS BACKER BOARD:

8.1. 1/2 INCH NOMINAL THICKNESS AGGREGATED PORTLAND CEMENT PANEL, REINFORCED WITH GLASS FIBER MESH; "WONDERBOARD" BY CUSTOM BUILDING PRODUCTS (800/272-8786), "DUROCK INTERIOR OR EXTERIOR" BY USG, OR GEORGIA PACIFIC "DENS-SHIELD," OR APPROVED..

8.2. TAPE FOR BACKER BOARD: OPEN WEAVE GLASS MESH JOINT TAPE, SELF-ADHESIVE; 2-1/2 INCHES WIDE.

8.3. FASTENERS: AS RECOMMENDED BY THE BACKER BOARD MANUFACTURER; THREAD FORMING SELF-DRILLING WAFER HEAD SCREWS; POLYMER COATED OR ZINC PLATED; USG "DUROCK SCREWS," "ROCK-ON," OR APPROVED.

E. 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.

F. SLAB LEVELING: (COORDINATE WITH LANDLORD REQUIREMENTS)

1. 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.

2. USE THINSET MORTAR OR OTHER FILLER FOR SLAB LEVELING. OTHER FILLERS ARE SUBJECT TO ENDORSEMENT BY THE SETTING MORTAR MANUFACTURER. SUBMIT MANUFACTURER'S LETTER OF APPROVAL TO THE OWNER / REPRESENTATIVE, AND THE OWNER'S REPRESENTATIVE.

3. 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.

G. CRACK ISOLATION:

1. INSTALL CRACK ISOLATION MEMBRANE ON A UNIT PRICE BASIS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, UNLESS INDICATED OR SPECIFIED OTHERWISE.

2. CRACK ISOLATION MEMBRANE MAY BE REQUIRED AT THE FOLLOWING LOCATIONS:

2.1. AT CONTROL AND CONSTRUCTION JOINTS IN CONCRETE FLOORS.

2.2. AT CHANGES IN SUBSTRATE MATERIALS.

2.3. SHRINKAGE CRACKS 1/16 INCH OR LARGER IN EXISTING SLABS.

3. EXTEND A MINIMUM OF 24 INCHES EACH SIDE OF CRACK OR JOINT.

4. SUBSTRATE EXAMINATION:

4.1. SUBSTRATES ARE SUBJECT TO EXAMINATION BY THE OWNER AND THE REPRESENTATIVE PRIOR TO INSTALLATION OF TILE OR SLAB OWNER / LEVELING MATERIALS. FURNISH A MINIMUM OF 7 DAYS NOTICE.

4.2. THE EXAMINATION WILL DETERMINE THE NEED FOR CRACK ISOLATION MEMBRANE AT LOCATIONS SCHEDULED ABOVE.

1. INSTALL WATERPROOF MEMBRANE INTO CLAMPING RING OF FLOOR DRAINS.

2. PROTECT WATERPROOF MEMBRANE FROM DAMAGE UNTIL AFTER TILE INSTALLATION IS COMPLETE.

3. MEMBRANE LOCATIONS ARE SCHEDULED AT THE END OF THIS SECTION.

4. FLOOD TESTING OF MEMBRANE:

4.1. WATER TEST WATERPROOF MEMBRANE INSTALLATIONS AT ABOVE GRADE FLOORS PRIOR TO INSTALLATION OF TILE.

4.2. NOTIFY THE OWNER / REPRESENTATIVE A MINIMUM OF 72 HOURS PRIOR TO TESTING.

4.3. VERIFY THAT ELEMENTS INSTALLED BY OTHER TRADES WHICH PENETRATE THE MEMBRANE ARE SEALED AND READY TO RECEIVE TESTING.

4.4. PLUG DRAINS AND PROVIDE WATER DAMS TO CONTAIN THE WATER.

4.5. FILL TEST AREA WITH WATER TO A DEPTH OF 1 INCH AT THE SHALLOWEST POINT, AND LEAVE FOR A MINIMUM OF 24 HOURS.

4.6. REPAIR LEAKS OBSERVED FROM TEST; RETEST AS NECESSARY TO ACHIEVE A LEAK-FREE INSTALLATION.

I. SCREED INSTALLATION:

1. INSTALL SCREEDS AT TILE FIELD EDGES AT THE LOCATIONS INDICATED.

2. ACCURATELY CUT TO LENGTH FOR FLUSH TIGHTLY BUTTED JOINTS. PROVIDE MITER CUT ANGLE JOINTS. REMOVE BURRS AT FIELD CUTS.

3. INSTALL IN LONGEST POSSIBLE LENGTHS, EXCEPT THAT NO SCREED SECTION SHALL BE LONGER THAN 12 FEET OR SHORTER THAN 4 FEET IN LENGTH FOR CONTINUOUS RUNS GREATER THAN 16 FEET.

4. INSTALL SCREEDS FREE FROM WAVES AND VARIATIONS IN HEIGHT, FLUSH WITH TOP OF ADJACENT TILE SURFACES.

5. SET SCREEDS DIRECTLY IN SETTING BED AS THE TILE INSTALLATION PROCEEDS. COMPLY WITH SCREED MANUFACTURER / INSTRUCTIONS TO ACHIEVE MORTAR TIGHTLY COMPACTED BETWEEN SCREED AND TILE EDGE.

6. GRIND SCREED JOINTS AS NECESSARY TO CORRECT MINOR MISALIGNMENT AND TO EASE SHARP OUTSIDE CORNERS.

D. CEMENTITIOUS BACKER BOARD INSTALLATION

1. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

2. INSTALL UNITS WITH EDGES FIRMLY SUPPORTED.

3. SCREW-ATTACH UNITS WITH 1 INCH LONG DRYWALL SCREWS SPACED 6 INCHES ON CENTER ALONG FRAMING.

4. INSTALL FIBERGLASS REINFORCING TAPE AT JOINTS BETWEEN PANELS. COMPLETELY EMBED IN A THIN SET MORTAR BED. TROWEL MORTAR SMOOTH WITH ADJACENT SURFACES.

5. CEMENT BACKER BOARD SHALL BE USED AT ALL VERTICAL MORTAR-SET STONE LOCATIONS.

K. INSTALLATION OF INTERIOR TILE:

1. INTERIOR FLOOR APPLICATION - THINSET OVER CONCRETE SUBSTRATE OR CRACK ISOLATION MEMBRANE.

1.1. TCA SYSTEM: SIMILAR TO F113.

1.2. INSTALLATION STANDARD: ANSI A108.5.

1.3. SETTING MATERIALS: THINSET MORTAR; 3/32-INCH MINIMUM THICKNESS.

2. WALL APPLICATION - GYPSUM BOARD SUBSTRATE:

2.1. TCA SYSTEM: SIMILAR TO W243, OR W223.

2.2. INSTALLATION STANDARD: ANSI A108.5 OR A108.4

2.3. SETTING MATERIALS: THINSET MORTAR OR ORGANIC ADHESIVE.

2.4. JOINT PATTERN:

2.4.1. LAY OUT TILE PATTERN PRIOR TO COMMENCING TILE INSTALLATION.

2.4.2. ACCURATELY LOCATE GROUT JOINTS ON LINES INDICATED; WHERE NOT INDICATED, ADJUST GROUT JOINTS WITHIN SPECIFIED TOLERANCES TO MINIMIZE USE OF CUT TILES AT FIELD TILES.

2.4.3. WHERE CUT TILES ARE NECESSARY, POSITION FLOOR TILE SUCH THAT CUT TILE AT EACH EDGE OF EACH RECTILINEAR FIELD IS NOT LESS THAN HALF OF A FULL SIZE UNIT.

3. WALL APPLICATION - THINSET OVER CEMENTITIOUS BACKING BOARD SUBSTRATE:

3.1. TCA SYSTEM: SIMILAR TO W244.

3.2. INSTALLATION STANDARD: ANSI A108.5 OR A108.4

3.3. SETTING MATERIALS: THINSET MORTAR.

3.4. JOINT PATTERN:

3.4.1. LAY OUT TILE PATTERN PRIOR TO COMMENCING TILE INSTALLATION.

3.4.2. ACCURATELY LOCATE GROUT JOINTS ON LINES INDICATED; WHERE NOT INDICATED, ADJUST GROUT JOINTS WITHIN SPECIFIED TOLERANCES TO MINIMIZE USE OF CUT TILES AT FIELD EDGES

3.4.3. WHERE CUT TILES ARE NECESSARY, POSITION FLOOR TILE SUCH THAT CUT TILE AT EACH EDGE OF EACH RECTILINEAR FIELD IS NOT LESS THAN HALF OF A FULL SIZE UNIT.

4. JOINT PATTERN:

4.1. LAY OUT TILE PATTERN PRIOR TO COMMENCING TILE INSTALLATION.

4.2. ACCURATELY LOCATE GROUT JOINTS ON LINES INDICATED; WHERE NOT INDICATED, ADJUST GROUT JOINTS WITHIN SPECIFIED TOLERANCES TO MINIMIZE USE OF CUT TILES AT FIELD EDGES.

4.3. WHERE CUT TILES ARE NECESSARY, POSITION FLOOR TILE SUCH THAT CUT TILE AT EACH EDGE OF EACH RECTILINEAR FIELD IS NOT LESS THAN HALF OF A FULL SIZE UNIT.

4.4. UNLESS OTHERWISE INDICATED, TILE JOINTS SHALL BE 1/8" WIDE.

5. CLEAN JOINTS OF MORTAR TO MINIMUM DEPTH OF 1/4 INCH TO ALLOW SUBSEQUENT GROUT INSTALLATION.

6. TOLERANCES:

6.1. JOINT WIDTH VARIATION: PLUS OR MINUS 25%%% OF THE PROPOSED JOINT WIDTH.

6.2. TAPER: PLUS OR MINUS 25%%% FROM ONE END TO THE OTHER.

6.3. NO PORTION OF A TILE SURFACE SHALL VARY MORE THAN 1/16 INCH ABOVE OR BELOW AN ADJACENT TILE SURFACE.

6.4. INSTALL TILE FIELDS LEVEL TO WITHIN TOLERANCE SPECIFIED FOR FINISHED SUBSTRATE.

7. SPECIAL FLOOR TILE INSTALLATION REQUIREMENTS:

7.1. WASH BACKS OF EACH TILE TO REMOVE ALL DUST AND SOIL THAT WOULD COMPROMISE ADHESION.

7.2. DAMPEN SUBSTRATE AS NECESSARY TO PREVENT EXCESSIVE SUCTION. TROWEL MORTAR ONTO SURFACES TO RECEIVE TILE.

7.3. APPLY MORTAR BOND COAT WITH NOTCHED TROWEL AS REQUIRED FOR PROPER LEVEL.

7.4. SET TILE WITHIN TIME SPAN RECOMMENDED BY MORTAR MANUFACTURER.

7.5. BACK BUTTER TILES PRIOR TO SETTING TO ACHIEVE MAXIMUM MORTAR COVERAGE OVER BACK OF TILE AND SUBSTRATE.

7.6. SET TILES IN ACCURATE ALIGNMENT. BEAT IN WITH A WOOD BLOCK, RUBBER HAMMER, OR TWIST AS NECESSARY TO LEVEL TILES.

L. GROUTING:

1. MIX GROUTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

2. GROUT ALL JOINTS, EXCEPT EXPANSION JOINTS, IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. FLOAT JOINTS TO A SLIGHTLY CONCAVE PROFILE.

3. REMOVE EXCESS GROUT FROM TILE SURFACES IN ACCORDANCE WITH THE GROUT AND TILE MANUFACTURER'S RECOMMENDATIONS. DO NOT USE EXCESS AMOUNTS OF WATER.

4. PROTECT ADJACENT SURFACES FROM DAMAGE IF ACID CLEANERS ARE USED.

5. DO NOT GROUT JOINTS INDICATED TO RECEIVE SEALANTS, INCLUDING INSIDE RIGHT ANGLE CORNER JOINTS BETWEEN FLOORS AND WALLS OF COLUMN BASES. GROUT JOINTS PERPENDICULAR TO EXPANSION JOINTS SHALL BE FINISHED FLUSH WITH TILE EDGES.

6. CURED GROUT JOINTS SHALL BE MADE FREE OF EFFLORESCENCE, PRIOR TO SEALING.

7. CURE INSTALLATION IN ACCORDANCE WITH THE GROUT MANUFACTURER'S RECOMMENDATIONS. PROTECT TILE AND GROUT DURING CURING OPERATIONS.

M. EXPANSION JOINT

1. PLACE EXPANSION JOINTS AS INDICATED ON THE DRAWINGS, BUT IN NO CASE MORE THAN 30-FOOT INTERVALS FOR INTERIOR INSTALLATIONS.

2. PLACE EXPANSION JOINTS AT CONTROL AND EXPANSION JOINTS IN CONCRETE SLABS, AND AT INTERSECTIONS WITH WALLS AND COLUMNS.

3. JOINT SIZES: SET TO MATCH WIDTH OF TYPICAL GROUTED JOINT.

4. LEAVE EXPANSION JOINTS FREE OF MORTAR.

5. SEALANT MATERIALS AND INSTALLATION ARE SPECIFIED IN SECTION 07920.

N. CLEANING: WASH AND THOROUGHLY RINSE ALL TILE. LEAVE ALL TILE SURFACES CLEAN.

O. TILE SEALING:

1. APPLY SEALER IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS TO ACHIEVE MAXIMUM PENETRATION INTO GROUTS

2. WIPE TILE SURFACES AFTER APPLICATION AS NECESSARY TO REMOVE ALL VISIBLE SEALER RESIDUE.

P. SPECIAL PROTECTION REQUIREMENTS FOR TILE SURFACES:

1. AREAS SUBJECT ONLY TO FOOT TRAFFIC: LAY DOWN NON-STAINING CURING PAPER LAPPED AND SEALED AT JOINTS AND EDGES WITH NASHUA BRAND DUCT TAPE. DO NOT USE POLYETHYLENE OR PRODUCTS CONTAINING BITUMINOUS MATERIALS.

2. AREAS SUBJECT TO ROLLING TRUCKS, DOLLIES AND OTHER EQUIPMENT: IN ADDITION TO THE ABOVE, SUCH AREAS SHALL BE FURTHER PROTECTED BY CONTINUOUS PLYWOOD OR HARDBOARD RUNWAYS. COORDINATE DESIGNATION OF SUCH AREAS.

%%USECTION - 09510 - ACOUSTICAL CEILINGS

A. REFERENCES:

1. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):

1.1. C635 - METAL SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANEL CEILINGS.

1.2. C636 - RECOMMENDED PRACTICE FOR THE INSTALLATION OF METAL CEILING SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANELS.

B. PRODUCTS:

1. CEILING TILE: PER FINISH LEGEND

2. SUSPENSION SYSTEM:

C. INSTALLATION:

1. INSTALL SYSTEM IN ACCORDANCE WITH ASTM C636 AND THE REQUIREMENTS OF THE JURISDICTIONAL CODE AUTHORITIES.

2. INSTALL GRID TO PRODUCE FINISHED CEILING TRUE TO LINES AND LEVELS INDICATED, WITHIN THE SPECIFIED TOLERANCES.

3. INSTALL SUSPENSION SYSTEMS IN A MANNER TO SUPPORT ALL SUPERIMPOSED LOADS, WITH MAXIMUM PERMISSIBLE DEFLECTION OF 1/270 OF SPAN.

4. 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 SUSPENSIONS SYSTEM, OR REINFORCE THE NEAREST ADJACENT HANGERS AND RELATED CARRYING CHANNELS AS REQUIRED TO SPAN THE REQUIRED DISTANCE.

5. CENTER SYSTEM ON ROOM AXIS ACCORDING TO REFLECTED CEILING PLANS.

6. PROVIDE ALL ANCHORS REQUIRED FOR THE INSTALLATION OF THE CEILING SYSTEM. DO NOT ANCHOR SYSTEM IN ANY MANNER THAT MIGHT CAUSE DAMAGE TO THE STRUCTURAL SYSTEM.

7. 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.

8. 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 TEGULAR EDGE INTO PARTIAL BORDER UNITS SUPPORTED AT EDGE BY WALL MOLDING.

9. HOLD-DOWN CLIPS: INSTALL HOLD-DOWN CLIPS AT PANELS WITHIN 20 FEET OF AN EXTERIOR DOOR.

10. TOLERANCES:

10.1. VARIATION FORM FLAT AND LEVEL SURFACE: 1/8 INCH IN 10 FEET

10.2. VARIATION FROM PLUMB OF GRID MEMBERS CAUSED BY ECCENTRIC LOADS: TWO DEGREES MAXIMUM.

%%USECTION - 09650 - RESILIENT FLOORING

A. MATERIALS:

1. RESILIENT FLOORING:

1.1. LUXURY TILE (LT): AS SCHEDULED ON THE DRAWINGS.

2. LATEX UNDERLAYMENT: WHITE PREMIX LATEX FILLER, MIXED WITH WATER TO PRODUCE A CEMENTITIOUS PASTE.

3. PRIMERS AND ADHESIVES: TYPES AS RECOMMENDED BY RESILIENT FLOORING AND BASE MANUFACTURERS FOR SPECIFIC APPLICATION.

4. TRANSITION STRIPS:

4.1. COLORS TO BE BRUSHED ALUMINUM

B. PREPARATION: 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.

C. RESILIENT FLOORING INSTALLATION

1. INSTALL RESILIENT FLOORING WHERE SCHEDULED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

2. UNLESS INDICATED OTHERWISE, INSTALL RESILIENT FLOORING WITH JOINTS AND SEAMS PARALLEL TO BUILDING LINES.

3. TERMINATE RESILIENT FLOORING AT CENTERLINE OF DOOR AT DOOR OPENINGS WHERE ADJACENT FLOOR FINISH IS DISSIMILAR, AND WHERE NO THRESHOLD IS INDICATED.

4. INSTALL EDGE STRIPS AT UNPROTECTED OR EXPOSED EDGES WHERE FLOORING TERMINATES.

5. SCRIBE FLOORING TO WALLS, COLUMNS, CABINETS, FLOOR OUTLETS AND OTHER APPURTENANCES TO PRODUCE TIGHT JOINTS.

6. 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 INITIAL SET.

7. SET FLOORING IN PLACE; PRESS WITH HEAVY ROLLER TO ENSURE FULL ADHESION.

D. SPECIAL REQUIREMENTS FOR RESILIENT TILE:

1. OPEN FLOOR TILE CARTONS, ENOUGH TO COVER EACH AREA, AND MIX TILE TO ENSURE SHADE VARIATIONS DO NOT OCCUR WITHIN ANY ONE AREA.

2. INSTALL TILES AS INDICATED ON THE DRAWINGS.

3. INSTALL WITH MINIMUM TILE WIDTH 1/2 FULL SIZE AT ROOM OR AREA PERIMETER, UNLESS INDICATED OTHERWISE.

4. ARRANGE TO SQUARE GRID PATTERN WITH ALL JOINTS ALIGNED, WITH PATTERN GRAIN ALTERNATING WITH ADJACENT UNIT TO PRODUCE BASKET WEAVE PATTERN WITH PATTERN GRAIN PARALLEL FOR ALL UNITS AND PARALLEL TO THE LENGTH OF THE ROOM.

E. SEAL JOINT BETWEEN FLOORING AND ADJACENT MATERIALS AT RESTROOMS, BATHROOMS, BREAKROOMS, AND OTHER MOIST AREAS WITH CLEAR SILICONE SEALANT.

BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVENUE SOUTH
KENT, WA 98032
(425)251-6222
(425)251-8782 FAX
CIVIL ENGINEERING, LAND PLANNING, SURVEYING, ENVIRONMENTAL SERVICES

NO.	DATE	REVISION DESCRIPTION
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SEAL:

STATE OF CALIFORNIA
DANIEL BRIAN GOALWIN
C-18865
REN. 8/31/17
LICENSED ARCHITECT

CLIENT:

SATER OIL GROUP, INC.
683 CLIFFSIDE DRIVE SAN DIMAS, CA 91773
909-293-7588

DEVELOPMENT INFORMATION:

STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:

SWC CHILDS AVE & PARSONS ST
MERCED, CALIFORNIA

DESIGNED BY:	
CHECKED BY:	
DRAWN BY:	
VERSION: - -	PROJECT NO: 17655

DRAWING TITLE:

SPECIFICATIONS

SHEET NO:

A-804

F. SPECIAL PROTECTION REQUIREMENTS FOR INTERIOR RESILIENT TILE SURFACES

1. AREAS SUBJECT ONLY TO FOOT TRAFFIC: LAY DOWN NON-STAINING CURING PAPER LAPPED AND SEALED AT JOINTS AND EDGES WITH NASHUA BRAND DUCT TAPE. DO NOT USE POLYETHYLENE OR PRODUCTS CONTAINING BITUMINOUS MATERIALS.

2. AREAS SUBJECT TO ROLLING TRUCKS, DOLLIES AND OTHER EQUIPMENT: IN ADDITION TO THE ABOVE, SUCH AREAS SHALL BE FURTHER PROTECTED BY CONTINUOUS PLYWOOD OR HARDBOARD RUNWAYS. COORDINATE DESIGNATION OF SUCH AREAS.

%%USECTION 09651 - SELF - LEVELING UNDERLAYMENT (IF REQ'D.)

A. ULTRPLAN 1

HIGH PERFORMANCE, QUICK-SETTING - LEVELING UNDERLAYMENT
CONTACT MAPEI
NORTH AMERICAN HEADQUARTERS
1144 EAST NEWPORT CENTER DRIVE
DEERFEILD BEACH, FLORIDA 33442 P
HONE: (954) 246 8888
FAX: (954) 246 8800
WWW.mapei.com

%%USECTION - 09658 - RESILIENT BASE

A. MATERIALS:

1. RUBBER BASE:

1.1. AS SCHEDULED ON THE DRAWINGS.

1.2. PROVIDE ROLL GOODS ONLY.

2. PRIMERS AND ADHESIVES: TYPES AS RECOMMENDED BY RESILIENT BASE MANUFACTURER FOR SPECIFIC APPLICATION.

B. INSTALLATION:

1. ADHESIVE INSTALL BASE MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ADHERE TIGHTLY TO WALL AND FLOOR SURFACES.

2. USE MANUFACTURER'S LONGEST LENGTHS. WHERE CUTTING IS NECESSARY, MAINTAIN MINIMUM MEASUREMENT OF 18 INCHES BETWEEN JOINTS.

3. MITER OR COPE INSIDE CORNERS FOR ACCURATE FIT.

4. INSTALL BASE TO WALLS AND COLUMNS IN ALL AREAS WHERE RUBBER BASE IS SCHEDULED.

5. COORDINATE WITH OWNER'S CASEWORK VENDOR AND PROVIDE BASE TO WOOD CASEWORK TOE KICKS WHERE REQUIRED.

6. SCORE BACK OF BASE MATERIAL WITH GROOVING TOOL, AT ALL OUTSIDE CORNERS; MAINTAIN MINIMUM LEG LENGTH 18 INCHES WHERE WALL LENGTH PERMITS. MOUNT BASE SO THAT SCORED GROOVE IS ACCURATELY ALIGNED WITH CORNER, AND WITH BASE TIGHTLY ADHERED TO WALL AT BOTH SIDES OF CORNER, WITH NO VISIBLE GAPS AT TOP OF BASE. WHERE COVE BASE IS FORMED AROUND OUTSIDE CORNERS, STRETCH TOE OF COVE FOR SMOOTH TRANSITION AROUND CORNER, WITH TOE IN UNIFORM CONTACT WITH THE FINISH FLOORING.

7. SCRIBE AND FIT TO DOOR FRAMES AND OTHER OBSTRUCTIONS.

8. INSTALL STRAIGHT AND LEVEL TO VARIATION OF PLUS OR MINUS 1/8 INCH OVER 10 FEET.

9. COORDINATE INSTALLATION OF BASE WITH WORK OF SECTION 09680.

10. FIT JOINTS TIGHT AND VERTICAL.

C. CLEANING

1. REMOVE EXCESS ADHESIVE FROM FLOOR, BASE, AND WALL SURFACES WITHOUT DAMAGE.

2. CLEAN BASE AND FLOOR IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

%%USECTION - 09720 - WALLCOVERINGS

A. MATERIALS:

1. WALL COVERINGS: AS SCHEDULED ON THE DRAWINGS.

2. ADHESIVES: AS RECOMMENDED BY THE WALL COVERING MANUFACTURER.

3. ALL WALL COVERINGS SHALL HAVE A MAXIMUM FLAME SPREAD OF 75 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84. FIRE RETARDANT TREAT ALL NONCONFORMING WALL COVERING. TREATMENT SHALL NOT ALTER THE APPEARANCE OF THE FABRIC.

B. PREPARATION:

1. REMOVE ELECTRICAL OUTLET AND SWITCH PLATES, MECHANICAL DIFFUSERS, ESCUTCHEONS, REGISTERS, SURFACE HARDWARE, FITTINGS, AND FASTENINGS PRIOR TO STARTING WORK; STORE DURING AND REPLACE AFTER WORK.

2. AT EXISTING PAINTED SURFACES, EVENLY ROUGHEN WITH A MEDIUM GRIT GARNET PAPER, WASH WITH TSP, WIPE CLEAR WATER, ALLOW TO DRY, AND SIZE WITH WALL COVERING ADHESIVE.

C. INSTALLATION - WALL COVERING ON GYPSUM WALL BOARD:

1. MIX AND APPLY ADHESIVES IN STRICT ACCORDANCE WITH THE ADHESIVE MANUFACTURER'S DIRECTIONS FOR THE TYPE OF MATERIAL BEING APPLIED.

2. INSTALL WALL COVERING SECURE, SMOOTH, CLEAN, AND WITHOUT WRINKLES, GAPS OR OVERLAPS.

3. EXTEND WALL COVERING CONTINUOUSLY BEHIND SUCH ITEMS AS MIRRORS, AND OTHER ITEMS WHICH ARE CLOSE TO BUT NOT TOUCHING WALLS.

4. INSTALL WALL COVERING WHERE SCHEDULED IN STRICT ACCORDANCE WITH THE WALL COVERING MANUFACTURER'S RECOMMENDATIONS.

5. PROVIDE DOUBLE-CUT SEAMS ON NONMATCH PATTERNS; BUTT SEAMS ON MATCH PATTERNS.

6. HORIZONTAL SEAMS ARE NOT PERMITTED.

7. CORNER SEAMS: MAKE NO SEAMS WITHIN 6 INCHES OF AN INSIDE OR OUTSIDE CORNER, EXCEPT WHERE A COLOR OR PATTERN CHANGE IS INDICATED. LAP WALL COVERINGS AT INSIDE CORNER SEAMS TO PREVENT SUBSTRATE SHOW THROUGH.

8. FABRICS:

8.1. USE FABRIC ROLLS IN CONSECUTIVE NUMERICAL SEQUENCE OF MANUFACTURE.

8.2. PLACE FABRIC SECTIONS CONSECUTIVELY IN EXACT ORDER IN WHICH THEY ARE CUT FROM THE ROLL INCLUDING FILLING ALL SPACES ABOVE OR BELOW WINDOWS, DOORS, RELIGHTS, OR SIMILAR PENETRATIONS.

8.3. TRIM PATTERNED FABRICS WHICH ARE NOT FACTORY PRETRIMMED ON A WORK TABLE WITH A STRAIGHT EDGE AND AN INDUSTRIAL RAZOR BLADE FOR EXACT PATTERN MATCH.

9. INSTALL WALL COVERING SECURE, SMOOTH AND FREE OF WRINKLES, GAPS AND OVERLAPS.

D. CLEANUP

1. REPLACE ALL REMOVED WALL PLATES AND OTHER ACCESSORIES.

2. REPAIR TO LIKE-NEW CONDITION, OR REPLACE AS DIRECTED BY THE OWNER'S REPRESENTATIVE, ALL SURFACES DAMAGED BY WORK OF THIS SECTION.

E. EXCESS YARDAGE:

1. NOTIFY DESIGNATED OWNER'S REPRESENTATIVE AT THE SITE PRIOR TO REMOVING EXCESS YARDAGE FROM THE JOB. THE OWNER'S REPRESENTATIVE WILL SELECT THE MATERIALS WHICH ARE TO BE RETAINED BY THE OWNER.

2. CAREFULLY WRAP THE EXCESS YARDAGE SELECTED TO BE RETAINED. DELIVER TO A LOCATION ON SITE AS DIRECTED BY THE OWNER. REMOVE REMAINDER FROM THE SITE AND DISPOSE OF LEGALLY.

%%USECTION - 09775 - FIBERGLASS REINFORCED PLASTIC (FRP) PANEL WALL COVERING

A. SUMMARY: FIBERGLASS REINFORCED PLASTIC PANEL (FRP) WALL COVERING.

B. REFERENCES: AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM): E84 - TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS

C. DELIVERY, STORAGE AND HANDLING: COMPLY WITH REQUIREMENTS OF SECTION 01600.

D. ENVIRONMENTAL CONDITIONS

1. MAINTAIN A MINIMUM TEMPERATURE OF 60 DEGREES F AND RELATIVE HUMIDITY AS PRESCRIBED BY THE ADHESIVE MANUFACTURER, DURING INSTALLATION, AND UNTIL INSTALLED ADHESIVE IS FULLY CURED.

2. ALLOW NO CONTAINERS OF ADHESIVE TO BE OPENED UNTIL ALL POTENTIAL SOURCES OF FLAME OR SPARK HAVE BEEN SHUT DOWN OR EXTINGUISHED AND UNTIL WARNINGS AGAINST THEIR IGNITION DURING ADHESIVE APPLICATION HAVE BEEN POSTED.

3. PROVIDE VENTILATION TO DISPERSE FUMES DURING APPLICATION OF SOLVENT-BASED ADHESIVE.

E. PANEL SYSTEM COMPONENTS:

1. PANEL MATERIAL:

1.1. PANEL TYPE: FIBERGLASS REINFORCED POLYESTER PANELS, WITH EMBOSSED TEXTURED FACE.

1.2. THICKNESS: 3/32 INCH.

1.3. SIZE: 48 INCHES X LENGTH REQUIRED FOR CONDITIONS INDICATED.

1.4. FIRE RATING: MAXIMUM 25/450 FLAME SPREAD / SMOKE DEVELOPED IN ACCORDANCE WITH ASTM E84.

1.5. MANUFACTURER/TYPE: SEE FINISH LEGEND

2. MOLDINGS: MANUFACTURER'S STANDARD PVC CAP, CORNER, AND DIVISION MOLDINGS; COLOR TO MATCH PANELS. OMIT BOTTOM TRIM WHERE PANEL ABUTS FLASH COVED BASE.

3. PANEL AND MOLDING INSTALLATION ADHESIVE:

3.1. MARLITE BRAND C-551 CONSTRUCTION ADHESIVE.

3.2. FURNISH ADHESIVE SPREADERS WITH 3/16 INCH V-NOTCHES, 5/16 INCH APART FOR APPLICATION OF ADHESIVE TO PANELS.

4. SEALANT: FLEXIBLE WATERPROOF SEALANT FOR BEDDING PANEL EDGES, MARLITE BRAND SILICONE SEALANT MS 251 BY MARLITE, OR SILICONE SEALANT S255C BY KEMLITE COMPANY.

F. CONDITION OF SURFACES

1. SUBSTRATE: VERIFY THAT DRYWALL SUBSTRATE IS CLEAN, DRY, SOLID, STRAIGHT, AND FREE FROM PROJECTIONS.

2. WHERE CONDITIONS REQUIRE INSTALLATION OF PANELING PRIOR TO INSTALLATION OF FLOORING, COORDINATE WITH OTHER TRADES TO ESTABLISH ACCURATE LOCATION OF TOP OF BASE.

3. DO NOT START WORK UNTIL OTHER WORK REQUIRING PENETRATION OF WALL COVERING HAS BEEN COMPLETED, OR ACCURATELY LOCATED.

4. COMMENCEMENT OF PLASTIC PANELING WALL COVERING WORK CONSTITUTES INSTALLER'S ACCEPTANCE OF THE SUBSTRATE.

G. CUTTING AND FITTING

1. CUT PANELS ACCURATELY TO SIZE WITH PROPER ALLOWANCE FOR EXPANSION AND MOLDINGS.

2. SAND OR FILE ALL EDGES SMOOTH WITHOUT CHIPPING.

3. CUT OPENINGS FOR PENETRATIONS IN ACCURATE LOCATION WITH APPROXIMATE 1/8-INCH CLEARANCE AROUND PENETRATIONS.

H. INSTALLATION

1. 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 PLUMB.

2. CUT TOP CAP AND DIVISION OR CORNER MOLDINGS TO SHAPE, WITH EDGES TRIMMED TO FIT TO ADJACENT MOLDINGS.

3. APPLY SEALANT INTO INSTALLED MOLDINGS IN SEQUENCE WITH PANEL INSTALLATION.

4. APPLY ADHESIVE TO BACKS OF PANELS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

5. MAINTAIN LINES AND LEVELS OF PANEL EDGES AND MOLDINGS.

6. INSTALL PANELS TIGHT TO FLASH-COVED BASE TRIM.

7. 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.

8. PROMPTLY REMOVE SEALANT SQUEEZE OUT WITH A DAMP CLOTH, AS WORK PROGRESSES; REMOVE ADHESIVE WITH APPROPRIATE SOLVENT.

9. INSTALL SEALANT BEHIND FLANGES AND AT PENETRATIONS THROUGH PANELING, AND BETWEEN TOP CAP OF PANEL AND SUBSTRATE.

I. CLEANING

1. INSPECT SURFACES OF PANELING AND REMOVE EXCESS ADHESIVE FROM FACE OF LAMINATE USING SOLVENT RECOMMENDED BY MANUFACTURER.

2. PROMPTLY REMOVE UNUSED CUT PIECES FROM THE SITE.

3. PRIOR TO SUBSTANTIAL COMPLETION OF EACH AREA WHERE REINFORCED PLASTIC PANEL WALL COVERING IS INSTALLED, CLEAN ALL SURFACES OF PLASTIC PANELS, USING PROCEDURES RECOMMENDED BY THE MANUFACTURER.

%%USECTION - 09820 - ACOUSTICAL INSULATION AND SEALANTS

A. MATERIALS:

1. ACOUSTIC INSULATION: ASTM C665, TYPE I; UNFACED MINERAL 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, WHERE INDICATED FOR INSTALLATION IN STUD WALLS.

2. ACOUSTICAL SEALANT: NON-HARDENING, NON-SKINNING, FOR USE IN CONJUNCTION WITH GYPSUM BOARD; SIMILAR TO USG "ACOUSTICAL SEALANT."

3. SPRAYED FOAM: DOW CORNING "FIRE STOP 2001 SILICON FOAM" OR APPROVED.

4. PREFORMED FOAM FILLER: FOAM ASSEMBLIES AVAILABLE FROM THE METAL DECK MANUFACTURER THAT ARE PREFORMED TO FIT THE FLUTES IN THE METAL DECK.

5. ACCESSORIES: FURNISH OTHER ACCESSORIES SUCH AS FASTENERS AND RETAINERS, NOT SPECIFICALLY DESCRIBED, BUT REQUIRED FOR A COMPLETE INSTALLATION.

B. INSTALLATION:

1. INSTALL INSULATION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, AND AS INDICATED.

2. INSTALL INSULATION WITHOUT GAPS OR VOIDS.

3. TRIM INSULATION NEATLY TO FIT SPACES. USE INSULATION MATERIALS FREE OF DAMAGE.

4. ACOUSTICAL INSULATION AT CEILINGS:

4.1. LAY ACOUSTICAL INSULATION OVER EACH ACOUSTICALLY INSULATED PARTITION THAT TERMINATES AT THE CEILING. INSULATION SHALL EXTEND A MINIMUM OF 24" EACH SIDE OF THE CENTERLINE OF THE ACOUSTICAL PARTITION

4.2. ACOUSTICAL INSULATION BATTS SHALL BE TIGHTLY BUTTED.

4.3. CUT AND FIT NEATLY AROUND MECHANICAL AND SPRINKLER DROPS.

4.4. FILL SPACES BETWEEN WALL BATTS (AT TOP PLATE LINE) AND CEILING BATTS TO ENSURE COMPLETE SOUND CLOSURE.

4.5. OMIT INSULATION OVER TOPS OF RECESSED FLUORESCENT LIGHT FIXTURES; AND WITHIN 2 INCHES OF RECESSED INCANDESCENT FIXTURES.

5. SEALANT:

5.1. INSTALL ACOUSTICAL SEALANT AROUND PERIMETER OF ALL ACOUSTICALLY INSULATED PARTITIONS; ONE CONTINUOUS BEAD AT EACH SIDE OF FRAMING MEMBER INTERFACE WITH SUBSTRATE.

5.2. SEAL ALL PENETRATIONS THROUGH ACOUSTICAL ASSEMBLIES, EXCEPT FOR PENETRATIONS IN FIRE RATED CONSTRUCTION TO RECEIVE FIRESTOPPING.

6. PROVIDE PREFORMED FOAM FILLERS OR SPRAYED FOAM TO SEAL THE FLUTE OPENINGS WHERE ACOUSTICAL PARTITIONS ARE INSTALLED TIGHT TO METAL DECK ASSEMBLIES.

%%USECTION 09900 - PAINTING

A. DESCRIPTION OF WORK:

1. PREPARATION OF NEW AND EXISTING SURFACES. PERFORMANCE AND COMPLETION OF PAINTING AND FINISHING NEW AND EXISTING INTERIOR SURFACES, INCLUDING MECHANICAL AND ELECTRICAL WORK IN FINISHED SPACES. FINISH FOR FACTORY-PRIMED ITEMS.

2. EXCEPT AS OTHERWISE INDICATED, ALL NEW AND EXISTING SURFACES SHALL HAVE FINISH APPLIED TO THEM.

3. COLORS: SEE "COLOR SCHEDULE" FOR FINISH COLOR AND MANUFACTURER.

4. G.C. SHALL DO ALL TOUCHUP AT COMPLETION OF THE JOB WHERE OTHER TRADES HAVE MARRED THE PAINTED SURFACES. CLEAN PAINT DROPPING FROM HARDWARE, FLOOR, ETC.

B. MAINTENANCE MATERIALS:

1. LEAVE ONE UNOPENED GALLON OF EACH TYPE AND COLOR FOR MAINTENANCE PURPOSES. LABEL FOR POSITIVE IDENTIFICATION, INCLUDE DESIGNATION INDICATED ON COLOR SCHEDULE, DATE OF MIXING, AND CROSS REFERENCE MANUFACTURER USED.

C. PRODUCT DELIVERY, STORAGE, AND HANDLING:

1. DELIVERY OF MATERIAL: DELIVER IN SEALED CONTAINERS WITH MANUFACTURER'S ORIGINAL LABELS LEGIBLE AND INTACT.

2. STORAGE OF MATERIALS: STORE IN MANNER RECOMMENDED BY THE MANUFACTURER AND AS REQUIRED BY BUILDING CODE AND COMPLY WITH LOCAL HEALTH REGULATIONS.

3. HANDLING: TAKE ALL NECESSARY PRECAUTIONARY MEASURES TO PREVENT FIRE HAZARDS AND SPONTANEOUS COMBUSTION: PLACE COTTON WASH CLOTHS, AND OTHER HAZARDOUS MATERIALS IN CONTAINERS, AND REMOVE FROM SITE DAILY.

D. ENVIRONMENTAL CONDITIONS:

1. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AS TO ENVIRONMENTAL CONDITIONS UNDER WHICH COATING AND COATING SYSTEMS CAN BE APPLIED.

E. PROTECTION:

1. ADEQUATELY PROTECT OTHER SURFACES FROM DAMAGE. MAKE GOOD ANY DAMAGE CAUSED BY FAILURE TO PROVIDE SUITABLE PROTECTION.

2. REMOVAL OF HARDWARE AND MISCELLANEOUS ITEMS: REMOVE ELECTRICAL OUTLET AND SWITCH PLATES, MECHANICAL DIFFUSERS, ESCUTCHEONS, REGISTERS, SURFACE HARDWARE, FITTINGS, FASTENINGS, AND THE LIKE PRIOR TO STARTING WORK.

3. DROP CLOTHS: PROVIDE DROP CLOTHS, SHIELDS, AND PROTECTIVE EQUIPMENT. EXTEND PROTECTION TO SURFACES WITHIN PREPARATION AREAS.

F. GUARANTEE:

1. FURNISH TWO-YEAR WARRANTY FOR FULL VALUE OR WORK INCLUDED IN THIS SECTION.

D. MATERIALS:

1. PAINT, VARNISH, STAIN AND RELATED PRODUCTS FOR PRIME, INTERMEDIATE AND FINISHED COATS, TOP LINE PRODUCTION PRODUCTS OF THE FOLLOWING APPROVED MANUFACTURERS:

PER MANUFACTURER'S LIST ON FINISH SCHEDULE

2. MATERIALS NOT SPECIFICALLY INDICATED, BUT REQUIRED, SUCH AS LINSEED OIL, SHELLAC, THINNERS, AND THE LIKE TO BE OF QUALITY NOT LESS THAN REQUIRED BY APPLICABLE FEDERAL OR STATE SPECIFICATION STANDARDS

3. ALL WORK %%U"PREMIUM GRADE"

H. INSPECTION:

1. VERIFY SUBSTRATE SATISFACTORY FOR WORK OF THIS SECTION. DO NOT PROCEED UNTIL DEFECTS HAVE BEEN CORRECTED.

2. BY STARTING PAINTING; THE CONTRACTOR IMPLIES THAT HE HAS ACCEPTED THE SURFACES AS BEING FREE OF DEFECTS.

I. PREPARATION: NEW WORK

1. MISCELLANEOUS STEEL AND IRON, TO INCLUDE METAL DOORS AND FRAMES:

1.1. SURFACES SHOP-PRIMED: REMOVE ALL SURFACE CONTAMINATION FROM ALL SURFACES. AT FIELD-WELDED OR ABRADED SPOTS, APPLY A PHOSPHORIC ACID ETCH SOLUTION AND LET SET FOR THE TIME RECOMMENDED BY ACID ETCH MANUFACTURER, RINSE WITH WATER WHEN THOROUGHLY DRY, IMMEDIATELY APPLY PRIME COAT.

1.2. SURFACES NOT SHOP PRIMED: REMOVE RUST AND SCALE BY WIRE BRUSHING OR OTHER METHODS. REMOVE DUST, DIRT, OIL, GREASE; CLEAN SURFACE BY SOLVENT WASH; APPLY PHOSPHORIC ACID SOLUTION AND LET SET FOR TIME RECOMMENDED BY ACID ETCH MANUFACTURER, RINSE WITH WATER WHEN THOROUGHLY DRY, IMMEDIATELY APPLY PRIME COAT.

2. WOOD PRODUCTS TO BE PAINTED: REMOVE SURFACE CONTAMINATION, DUST AND GRIT. SPOT COAT KNOTS, PITCH STREAKS AND SAPPY SECTIONS WITH SEALER. FILL IN NAIL HOLES AND FINE CRACKS AFTER PRIMER HAS DRIED AND SAND SMOOTH, LEVEL WITH SURFACE READY FOR FINISH COAT.

3. WOOD PRODUCTS TO BE STAINED: REMOVE SURFACE CONTAMINATION, DUST AND GRIT. AFTER STAIN COAT, FILL NAIL HOLES WITH MATCHING COLOR FILLER.

4. GYPSUM WALLBOARD:

4.1. REMOVE ANY MINOR SUBSEQUENT CONTAMINATION, DUST, AND DIRT.

4.2. IF SURFACE DEFECTS APPEAR AFTER PRIME COATING, NOTIFY JOB SUPERINTENDENT AND ARCHITECT.

4.3 REQUIRE DEFECTS TO BE REPAIRED BY AND AT EXPENSE OF DRYWALL TRADE. AFTER DEFECTS ARE CORRECTED, PROCEED WITH FINISH PAINTING, AGAIN USING PRIMER OVER REPAIRED AREAS.

4.4. PAINTING, AGAIN USING PRIMER OVER REPAIRED AREAS.

5. MECHANICAL AND ELECTRICAL WORK: PREPARE METAL SURFACES AS SPECIFIED HERE-IN ABOVE FOR MISCELLANEOUS STEEL AND IRON AS APPLICABLE TO TYPE OF MATERIAL SCHEDULED TO BE PAINTED. REMOVE DIRT, GREASE, AND OIL FROM CANVAS AND COTTON INSULATION COVERING.

J. PREPARATION: EXISTING WORK WHEN APPLICABLE

1. CLEAN TO EXTENT REQUIRED, AND OR REMOVE EXISTING COATINGS.

2. WOOD PRODUCTS TO BE PAINTED: THICK AND SHARP EDGES OF PAINT BUILD-UPS, RUNS, AND SAGS SHALL BE SANDED SMOOTH (FEATHERED EDGE). REPAIR AND SAND SMOOTH ALL SURFACE DEFECTS, INCLUDING UNSET/RESET NAILS, CRACKS AND GOUGES.

3. GYPSUM WALLBOARD: FILL, SAND SMOOTH ALL SURFACE DEFECTS.

K. APPLICATION:

1. APPLY PAINT OR FINISH BY METHODS GENERALLY ACCEPTED BY THE TRADE TO ACHIEVE APPROVED FINISHES.

2. COMPLY WITH RECOMMENDATIONS OF PRODUCT MANUFACTURER FOR DRYING TIME BETWEEN SUCCEEDING COATS.

3. VARY COLOR OF SUCCESSIVE UNDERCOATS.

4. SAND AND DUST BETWEEN EACH COAT TO REMOVE DEFECTS VISIBLE FROM A DISTANCE OF 5 FEET.

5. G.C. SHALL PAINT WALL SURFACES INDICATED ON PLANS USING A MINIMUM OF TWO COATS OF PAINT AND PRIME WHERE RECOMMENDED. BY PAINT MANUFACTURER.

6. ALL PAINT WORK SHALL BE FIRST QUALITY WITH NO DEFECTS

7. DRYWALL PAINT SHOULD BE APPLIED BY ROLLER. PAINT APPLIED TO WOOD SHALL BE BRUSHED ON. EXPOSED CEILING COMPONENTS TO BE SPRAYED.

L. FINISH SCHEDULE:

1. INTERIOR FINISH SYSTEM 1: GYPSUM WALLBOARD
(1) COAT LATEX PRIMER (2) COATS INTERIOR
LATEX, SATIN FINISH

2. INTERIOR FINISH SYSTEM 2: WOOD TRIM AND DOORS
(2) COATS POLYURETHANE

3. INTERIOR FINISH SYSTEM 3: PARTICLE BOARD AND EXPOSED STUD
(2) COATS POLYURETHANE

4. INTERIOR FINISH SYSTEM 4: EXPOSED WOOD LEDGER
(1) COAT LATEX PRIMER
(2) COATS INTERIOR LATEX, SATIN FINISH

5. DAMAGED FINISHES INCLUDING PREFINISHED OWNER FURNISHED WHERE A TRANSPARENT CLASS B FINISH IS REQUIRED, USE:

ALBERT "DS CLEAR" FIRE RETARDANT COATING AND OVERCOATER "66-H" MATTE OR SEMI-GLOSS FINISH. (SEE SECTION 7250 FIRE RETARDANT COATINGS)

6. WHERE A TRANSPARENT CLASS A FINISH IS REQUIRED, USE: ALBERT "DS CLEAR" FIRE RETARDANT COATING AND OVERCOATER "66-H" MATTE OR SEMI- GLOSS FINISH. (SEE SECTION 7250 FIRE RETARDANT COATINGS)

ITEMS:
PREPARE AND REFINISH AS SPECIFIED AND SCHEDULED FOR WORK. ALL THE ABOVE SURFACES MAY NOT BE ENCOUNTERED DURING THE COURSE OF THIS PROJECT.

%%USECTION - 10400 - SIGNAGE

A. SECTION INCLUDES

1. PLASTIC SIGNAGE

2. VINYL SIGNAGE

B. REFERENCES

1. AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) - LATEST EDITION.

2. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A117.1, LATEST EDITION.

C. PLASTIC SIGNAGE:

1. MATERIALS:

1.1. PLASTIC SHEET: 1/8 INCH THICK ACRYLIC SHEET; BLUE; LOW GLOSS FINISH.

1.2. ADHESIVE MOUNTING TAPE: 3M "SCOTCH BRAND #665" DOUBLE-STICK, DOUBLE-COATED TAPE, 1/4" WIDE.

1.3. RAISED LETTERING: HELVETICA MEDIUM TYPEFACE; WHITE COLOR; 1 INCH HEIGHT; 1/32 INCH RELIEF; SELF-ADHESIVE.

1.4. BRAILLE: ANSI GRADE II, SELF-ADHESIVE; COLOR TO MATCH ACRYLIC SHEET.

1.5. PICTOGRAMS: ANSI COMPLIANT; SELF-ADHESIVE.

2. DIMENSIONS: 4-1/2 INCHES HIGH, WITH WIDTH DETERMINED BY SPECIFIED TEXT; MINIMUM 3/4 INCH BORDER UNLESS INDICATED OTHERWISE; 1/2 INCH RADIUS CORNERS.

3. SIGNS:

3.1. FOR EACH TOILET ROOM DOOR: "MEN" OR "WOMEN" AS APPROPRIATE; BLUE WITH WHITE LETTERS; ACCOMPANIED WITH GRADE 2 BRAILLE SYMBOL; OVERALL SIGN TO BE 2-1/2 INCH HIGH BY LENGTH REQUIRED.

3.2. FOR EACH TOILET ROOM DOOR: INTERNATIONAL SYMBOL OF ACCESSIBILITY: NOMINAL 3 INCHES BY 3 INCHES; STANDARD BLUE AND WHITE.

D. VINYL SIGNS:

1. TYPE: PRESSURE SENSITIVE ADHESIVE BACK; MACHINE BLADE CUT; CUSTOM COLORS AS SCHEDULED.

1.1. TEXT: AS SCHEDULED BELOW.

1.2. STYLE/SIZE: HELVETICA MEDIUM; 1" HIGH, UNLESS OTHERWISE INDICATED.

1.3. SUBMIT SIGN FOR APPROVAL.

2. SCHEDULE:

2.1. SUITE NUMBERS: 3" HIGH INDIVIDUAL LETTERS; TEXT AND COLOR AS DIRECTED BY OWNER'S REPRESENTATIVE AND LANDLORD REQUIREMENTS.

2.2. AT ENTRY DOORS IN IBC JURISDICTIONS: "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS;" SINGLE SIGN AT EACH ENTRY; SIZE AS REQUIRED; PROVIDE LETTERS IN COLOR WHICH CONTRAST DISTINCTLY FROM BACKGROUND (FRAME) COLOR.

2.3. AT ENTRY DOORS IN OTHER JURISDICTIONS: WORDING AS INDICATED, OR VERIFY WITH LOCAL CODE AUTHORITY FOR CORRECT WORDING OF SIGN IF WORDING NOT INDICATED; PROVIDE LETTERS IN COLOR WHICH CONTRAST DISTINCTLY FROM BACKGROUND (FRAME) COLOR.

2.4. "EMERGENCY EXIT ONLY" ON REAR EXTERIOR DOOR (WHERE APPLIES); BLUE WITH WHITE LETTERS; MOUNT AT +66" AFF.

E. FABRICATION:

1. SIGNS SHALL BE FREE OF ROUGH EDGES, IRREGULAR SURFACES, NON-UNIFORM FINISHES, AND OTHER DEFECTS.

2. PROVIDE PICTOGRAMS WITH ACCURATE COLOR MATCH WITH RAISED LETTERING.

3. APPLY ADHESIVE PICTOGRAMS AND RAISED LETTERING CAREFULLY, IN ACCURATE ALIGNMENT.

F. INSTALLATION OF PLASTIC SIGNAGE:

1. CLEAN SURFACES TO RECEIVE SIGNAGE.

2. INSTALL SIGNAGE AS REFERENCED IN THE GRAPHICS SCHEDULE AND OTHER ITEMS AS SPECIFIED BELOW.

3. GRAPHICS SHALL BE MOUNTED LEVEL, AND PLUMB.

4. APPLY SIGNAGE WITH TOP EDGE LOCATED 60 INCHES ABOVE THE FINISH FLOOR SURFACE UNLESS INDICATED OTHERWISE. USE SPECIFIED ADHESIVE MOUNTING TAPE; THE TAPE SHALL NOT BE VISIBLE IN THE INSTALLED POSITION.

G. INSTALLATION OF VINYL SIGNS:

1. ADHERE BY REMOVING PROTECTIVE BACKING SHEET AND PRESSING FIRMLY TO SURFACE, FOLLOWING ACCURATE SPACING.

2. REMOVE ALL RESIDUE AROUND LETTERS, WIPE CLEAN.

H. CLEANUP:

1. TAKE PRECAUTIONS TO ASSURE ADJACENT SURFACES REMAIN FREE FROM DUST, AND ADHESIVE.

2. IMMEDIATELY CLEAN SURFACES THAT BECOME SOILED DURING INSTALLATION OF THE LETTERS.

3. UPON INSTALLATION, CLEAN THE LETTERS AND PIN MOUNTS OF DUST WITH A DAMP CLOTH, TAKING CARE NOT TO DAMAGE UNDERLYING SURFACES.

4. LEAVE THE INSTALLATION CLEAN, AND COMPLETELY FREE OF FOREIGN MATERIAL THAT WOULD DETRACT FROM VISUAL APPEARANCE OF THE LETTERS.

%%USECTION - 10810 TOILET ACCESSORIES

A. DELIVERY, STORAGE AND HANDLING

1. DO NOT DELIVER ACCESSORIES TO SITE UNTIL ROOMS IN WHICH THEY ARE TO BE INSTALLED ARE READY TO RECEIVE THEM.

2. PACK ACCESSORIES INDIVIDUALLY IN A MANNER TO PROTECT ACCESSORY AND ITS FINISH.

B. GENERAL:

1. PROVIDE ACCESSORIES AS MANUFACTURED BY BOBRICK WASHROOM EQUIPMENT COMPANY UNLESS OTHERWISE INDICATED, IN QUANTITIES INDICATED ON THE DRAWINGS.

2. ALL PRODUCTS SHALL BE SATIN STAINLESS STEEL, UNLESS OTHERWISE INDICATED.

C. PRODUCTS IN RESTROOMS AS SPECIFIED IN DRAWINGS

D. PREPARATION:

1. DELIVER INSERTS AND ROUGH-IN FRAMES TO JOB SITE AT APPROPRIATE TIME FOR BUILDING-IN.

2. FURNISH TEMPLATES AND ROUGH-IN MEASUREMENTS AS REQUIRED.

3. BEFORE STARTING WORK NOTIFY OWNER'S REPRESENTATIVE IN WRITING OF CONFLICTS DETRIMENTAL TO INSTALLATION OR OPERATION OF UNITS.

4. PROTECT ADJACENT OR ADJOINING FINISHED SURFACES FROM DAMAGE DURING INSTALLATION OF WORK OF THIS SECTION.

5. VERIFY EXACT LOCATION OF ACCESSORIES.

E. INSTALLATION:

1. INSTALL FIXTURES, ACCESSORIES AND ITEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

2. INSTALL TRUE, PLUMB, AND LEVEL, SECURELY AND RIGIDLY ANCHORED TO SUBSTRATE.

3. USE TAMPER-PROOF FASTENERS.

%%USECTION - 10999 - MISCELLANEOUS

A. CORNER GUARDS:

1. CLEAR POLYCARBONATE ANGLE, 1/8" THICK X 2-1/2" X 2-1/2" X 4'-0" LONG. TRI-GUARDS, INC. TG4212, OR APPROVED; FURNISH WITH PREDRILLED COUNTERSUNK MOUNTING HOLES AND CHROME PLATED OVAL HEAD MOUNTING SCREWS.

2. INSTALLATION: AS INDICATED ON THE DRAWINGS; SET BOTTOM OF CORNER GUARD FLUSH WITH TOP OF WALL BASE.

B. FIRE EXTINGUISHER DRY CHEMICAL TYPE - ABC MULTIPURPOSE TYPE:

1. TYPE: STANDARD FIRE-WEST MODEL ABC-5, POTTER-ROEMER MODEL NO. 3005, LARSEN'S MANUFACTURING COMPANY MODEL MP5, J.L. INDUSTRIES COSMIC 5E, OR APPROVED.

2. 5 LB. CAPACITY, UL RATED 2A-10B:C, APPROXIMATELY 4-1/2 INCH DIAMETER X 14 INCHES HIGH, BAKED ENAMEL STEEL SHELL.

3. AGENT: AMMONIUM PHOSPHATE BASE.

4. LOCATION: PROVIDE AT ALL FIRE EXTINGUISHER AND FIRE EXTINGUISHER CABINET LOCATIONS, UNLESS NOTED OTHERWISE.

C. FIRE EXTINGUISHER CABINETS (FEC): POTTER-ROEMER, INC. #7023-DV, LARSEN'S MANUFACTURING COMPANY #2409-R3-VD, J.L. INDUSTRIES #1817-V-10; SEMI-RECESSED; WHITE BAKED ENAMEL INTERIOR AND DOOR.

BARGHAUSEN CONSULTING ENGINEERS, INC.
18215 72ND AVENUE SOUTH
KENT, WA 98032
(425)251-6222
(425)251-8782 FAX

CIVIL ENGINEERING, LAND PLANNING, SURVEYING, ENVIRONMENTAL SERVICES

NO.	DATE	REVISION DESCRIPTION
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SEAL:

STATE OF CALIFORNIA
DANIEL BRIAN GOALWIN
C-18865
REN. 8/31/17
LICENSED ARCHITECT

CLIENT:

SATER OIL GROUP, INC.
683 CLIFFSIDE DRIVE SAN DIMAS, CA 91773
909-293-7588

DEVELOPMENT INFORMATION:

STEAK n' SHAKE
3,750 PROTO

SITE ADDRESS:

SWC CHILDS AVE & PARSONS ST
MERCED, CALIFORNIA

DESIGNED BY:	
CHECKED BY:	
DRAWN BY:	
VERSION: - -	PROJECT NO: 17655

DRAWING TITLE:

SPECIFICATIONS

SHEET NO:

A-805