



## Application for Fire Marshal Plan Review

Type of Review Requested:

☐ Site Plan Review

☐ Building Plan Review

### Project Information

Project Name:

Project Physical Address:

PIN #:

### Plan Information

Plans Submitted by:

Contact Person:

Contact Phone #:

Contact Email:

### Contractor Information

Contractor/Company Name:

Company Mailing Address:

Primary Contact Name:

Contact Phone #:

Contact EMail:

- Plans that are submitted will be reviewed as quickly as possible with an average time of review between 7-10 working days.
- Status checks may be conducted on plan reviews by visiting the eTrakit portal, or by calling the Harnett County Central Permitting Department (910-893-7525, Option #1) or the Harnett County Fire Marshal's Office (910-893-7580).
- Approved plans must be obtained through Central Permitting (via [centralpermitting@harnett.org](mailto:centralpermitting@harnett.org) email) at the time of payment; payment can be made over the phone (910-893-7525, Option #1) or at the Central Permitting Office (420 McKinney Parkway Lillington, NC 27546).
- All fees must be paid before any required inspections can be conducted.



ACCESSIBILITY NOTES:

1. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN SHALL BE DISPLAYED AT ALL ACCESSIBLE REAR FACILITIES AND AT ACCESSIBLE REAR ENTRANCES UNLESS ALL ENTRANCES ARE ACCESSIBLE. INACCESSIBLE ENTRANCES SHALL HAVE DIRECTIONAL SIGNS INDICATING THE ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE.

2. ACCESSIBLE DRINKING FOUNTAINS SHALL HAVE A SPOUT HEIGHT NO HIGHER THAN 36 INCHES ABOVE THE FLOOR AND NO LOWER THAN 34 INCHES ABOVE THE FLOOR FOR INDIVIDUALS IN WHEELCHAIRS. ADDITIONALLY, DRINKING WATER PROVISIONS SHALL BE MADE FOR INDIVIDUALS WHO HAVE DIFFICULTY BENDING.

3. WHERE STORAGE FACILITIES SUCH AS CABINETS, SHELVES, CLOSETS AND DRAWERS ARE PROVIDED AT LEAST ONE PROVIDED STORAGE SPACE MUST BE ACCESSIBLE (I.E. TOUCH LATCHES, U-SHAPED PULLS). SPACES SHALL BE 15 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR. FORWARD REACH OR SIDE REACH: CLOTHES RODS OR COAT HOOKS SHALL BE A MAXIMUM OF 48 INCHES ABOVE THE FLOOR (46 INCHES MAXIMUM WHEN DISTANCE FROM WHEEL CHAIR TO ROD EXCEEDS 10 INCHES). SHELVES IN KITCHENS OR TOILET ROOMS MUST BE 48 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE IN FLOOR.

4. CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE NO HIGHER THAN 48 INCHES ABOVE THE FLOOR. RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 15 INCHES ABOVE THE FLOOR. EXCEPTION: HEIGHT LIMITATIONS DO NOT APPLY WHERE THE USE OF SPECIAL EQUIPMENT DICTATES OTHERWISE OR WHERE ELECTRICAL RECEPTACLES ARE NOT NORMALLY INTENDED FOR USE BY BUILDING OCCUPANTS.

5. WHERE EMERGENCY WARNING SYSTEMS ARE PROVIDED, THEY SHALL INCLUDE BOTH AUDIBLE AND VISUAL ALARMS. VISUAL ALARMS SHALL BE LOCATED THROUGHOUT, INCLUDING RESTROOM, AND PLACED 80 INCHES ABOVE THE FLOOR OR 6 INCHES BELOW CEILING,WHICH-EVER IS LOWER.

6. ALL DOORS SHALL BE OPENABLE BY A SINGLE EFFORT. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM. THE MAXIMUM FORCE REQUIRED FOR PUSHING OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL NOT EXCEED 5 LBS. FOR ALL SLIDING, FOLDING, AND INTERIOR HINGED DOORS.

7. FLOOR SURFACES SHALL BE STABLE, FIRM, AND SLIP-RESISTANT. CHANGES IN LEVEL BETWEEN 0.25 INCH AND 0.5 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2. CHANGES IN LEVEL GREATER THAN 0.5 INCH REQUIRE RAMPS. CARPET PILE THICKNESS SHALL BE 0.5 MAX. GRATINGS IN FLOOR SHALL HAVE SPACES NO GREATER THAN 0.5 INCH WIDE IN ONE DIRECTION. DOORWAY THRESHOLDS SHALL NOT EXCEED 0.5 INCH IN HEIGHT.

8. ACCESSIBLE WATER CLOSETS SHALL BE 17 INCHES TO 19 INCHES, MEASURED FROM THE FLOOR TO THE TOP OF THE SEAT. GRAB BARS SHALL BE 36 INCHES LONG MINIMUM WHEN LOCATED BEHIND WATER CLOSET AND 42 INCHES MINIMUM WHEN LOCATED ALONG SIDE OF WATER CLOSET, AND SHALL BE MOUNTED 33 INCHES TO 36 INCHES ABOVE THE FLOOR. IN ADDITION, A VERTICAL GRAB BAR 19 INCHES MINIMUM IN LENGTH SHALL BE MOUNTED ON THE SIDEWALL WITH THE BOTTOM OF THE BAR LOCATED BETWEEN 39 AND 41 INCHES ABOVE THE FLOOR, AND WITH THE CENTER LINE OF THE BAR LOCATED BETWEEN 39 INCHES AND 41 INCHES FROM THE REAR WALL.

9. ACCESSIBLE URINALS SHALL BE STALL-TYPE OR WALL HUNG WITH ELONGATED RIMS AT A MAXIMUM OF 17 INCHES ABOVE THE FLOOR.

10. ACCESSIBLE LAVATORIES AND SINKS SHALL BE MOUNTED WITH THE RIM NO HIGHER THAN 34 INCHES ABOVE THE FLOOR. KNEE CLEARANCE OF AT LEAST 27 INCHES HIGH MUST BE PROVIDED WITH A MINIMUM DEPTH OF 8 INCHES BENEATH THE FIXTURE, AND 9 INCHES HIGH MINIMUM WITH A MINIMUM DEPTH OF 11 INCHES BENEATH THE FIXTURE. THE KNEE SPACE MUST BE AT LEAST 30 INCHES WIDE.

11. HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. INSULATION OR PROTECTION MATERIALS MAY BE SITE INSTALLED, THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER ACCESSIBLE LAVATORIES AND SINKS.

12. MIRRORS LOCATED ABOVE LAVATORIES, SINKS OR COUNTERS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE A MAXIMUM OF 40 INCHES ABOVE THE FLOOR. OTHER MIRRORS IN TOILET ROOMS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES MAXIMUM ABOVE THE FLOOR.

13. GRAB BARS HAVING A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1.25 INCHES MINIMUM AND 2.0 INCHES MAXIMUM. THE SPACE BETWEEN THE GRAB BAR AND THE WALL SHALL BE 1.5 INCHES.

14. WATER CLOSET FLUSH CONTROL SHALL BE INSTALLED A MAXIMUM OF 36 INCHES ABOVE THE FLOOR AND SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.

15. DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (I.E. LEVER - OPERATED, PUSH-TYPE, U-SHAPED) MOUNTED WITH OPERABLE PARTS BETWEEN 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR.

16. TOILET STALL DOORS SHALL BE THE SELF-CLOSING TYPE.

17. A TOWEL DISPENSER SHALL BE LOCATED ADJACENT TO ALL ACCESSIBLE LAVATORIES.

GENERAL NOTES:

1. ACCESS TO BUILDING FOR PERSONS IN WHEELCHAIRS IS DESIGNED BY AND FIELD BUILT BY OTHERS AND SUBJECT TO LOCAL JURISDICTION APPROVAL. THE PRIMARY ENTRANCE MUST BE ACCESSIBLE.

2. ALL DOORS SHALL BE OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE OR EFFORT. MANUALLY OPERATED FLUSH BOLTS OR SURFACE BOLTS SHALL NOT BE USED.

3. ALL GLAZING WITHIN A CIRCLE OF DOORS, WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR, AND ALL GLAZING IN DOORS SHALL BE SAFETY, TEMPERED OR ACRYLIC PLASTIC SHEET.

4. ALL STEEL STRAPS REFERENCED ON FLOOR PLAN SHALL BE 1.5 INCH x 20 GA. WITH 7 - 2x120 NAIL EACH END OF STRAP OR EQUIVALENT FROM RIDGE BEAM TO COLUMN, AND COLUMN TO FLOOR.

5. PORTABLE FIRE EXTINGUISHER PER N.F.P.A. - 10 INSTALLED BY OTHERS ON SITE, AND SUBJECT TO LOCAL JURISDICTION APPROVAL.

6. PROVISIONS FOR EXIT DISCHARGE LIGHTING ARE THE RESPONSIBILITY OF THE BUILDING OWNER AND SUBJECT TO LOCAL JURISDICTION APPROVAL WHEN NOT SHOWN ON THE FLOOR PLAN (INCLUDING EMERGENCY LIGHTING, WHEN REQUIRED).

7. WHEN LOW SIDES OF ROOF PROVIDE LESS THAN 6" OF OVERHANG, GUTTERS AND DOWN SPOUTS SHALL BE SITE INSTALLED, DESIGNED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.

8. IN WIND-BORNE-DEBRIS REGIONS, GLAZING SHALL BE IMPACT RESISTANT OR PROTECTED WITH AN IMPACT RESISTANT COVERING MEETING THE REQUIREMENTS OF AN APPROVED IMPACT RESISTANT STANDARD OR ASTM F1996. WIND-BORNE-DEBRIS REGIONS ARE DESIGNATED IN SECTION 1609 OF THE IBC.

9. FIRE SAFETY MUST BE VIEW AND INSPECTION IS RESERVED FOR THE LOCAL AUTHORITY HAVING JURISDICTION.

10. WINDOWS AND DOORS MUST BE CERTIFIED FOR COMPLIANCE WITH THE WIND DESIGN PRESSURE FOR COMPONENTS AND CLADDING.

11. STRUCTURAL DETAILS NOT INCLUDED IN THIS PLAN SET ARE TO BE CONSTRUCTED ACCORDING TO THE MANUFACTURERS STATE APPROVED BUILDING SYSTEM MANUAL.

PLUMBING NOTES:

1. TOILETS SHALL BE ELONGATED WITH NONABSORBENT OPEN FRONT SEATS.

2. REST ROOM WALLS SHALL BE COVERED WITH NONABSORBENT MATERIAL TO A MINIMUM HEIGHT OF 48 INCHES A.F.F. FLOORS SHALL HAVE SMOOTH, HARD, NONABSORBENT SURFACE THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 6 INCHES.

3. THIS UNIT MUST BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE ARE AVAILABLE.

4. ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUTOFF VALVES.

5. WATER HEATER SHALL HAVE SAFETY PAN WITH 1 INCH DRAIN TO EXTERIOR, 1/2" RELIEF VALVE WITH DRAIN TO EXTERIOR, AND A SHUT OFF VALVE WITHIN 3 FEET ON A COLD WATER SUPPLY LINE.

6. DWI SYSTEM SHALL BE EITHER ADS OR PVC - DWI.

7. WATER SUPPLY LINES SHALL BE CPVC, OR COPPER, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS LIMITATIONS AND INSTRUCTIONS.

8. WATER CLOSETS ARE TANK TYPE AND URINALS ARE FLUSH TANK TYPE UNLESS OTHERWISE SPECIFIED.

9. BUILDING DRAIN AND CLEANOUTS ARE DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.

10. SHOWERS SHALL BE CONTROLLED BY AN APPROVED MIXING VALVE WITH A MAXIMUM WATER OUTLET TEMPERATURE OF 120° (48°C).

11. THERMAL EXPANSION DEVICE, IF REQUIRED BY WATER HEATER INSTALLED, AND IF NOT SHOWN ON PLUMBING PLAN, IS DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL APPROVAL.

12. WATER PIPES INSTALLED IN A WALL EXPOSED TO THE EXTERIOR SHALL BE LOCATED ON THE HEATED SIDE OF THE WALL. INSULATION, WATER PIPING INSTALLED IN AN UNCONDITIONED ATTIC SHALL BE INSULATED WITH AN INSULATION OF R-6.5 MINIMUM.

13. PIPING IN UNCONDITIONED SPACES MUST BE PROTECTED WITH INSULATION HAVING A MINIMUM R FACTOR OF 6.5 IN ACCORDANCE WITH SECTION 305.6.

14. THE USE OF THIS BUILDING WITHOUT THE MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES IS SUBJECT TO APPROVAL BY THE AUTHORITY HAVING JURISDICTION.

15. THE WATER HEATER SHALL HAVE CONTROLS TO ALLOW A SET POINT OF 90 DEGREES F.

16. THE OUTLET TEMPERATURE OF LAVATORIES SHALL BE LIMITED TO 120 DEGREES F.

17. THE FIRST 8 FEET OF HOT WATER PIPING FROM THE WATER HEATER SHALL BE INSULATED WITH 0.5 INCH OF MATERIAL, HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH / h x R x F.

18. TEMPERED WATER SHALL BE DELIVERED THROUGH AN APPROVED WATER TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070 OR CSA B125.3.

TEXAS INDUSTRIALIZED BUILDING CODE COUNCIL

This document is approved pursuant to the Industrialized Housing and Buildings Act.

DRA No. 21 IBC

Date: 02 09 2022

DRA Signature: Kenneth Earl Dunmon, P.E.

Kenneth Earl Dunmon, P.E.

Professional Engineer

State of Texas

109660

2-8-22

ELECTRICAL NOTES:

1. ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL ELECTRICAL CODE (NEC).

2. WHEN LIGHT FIXTURES ARE INSTALLED IN CLOSET STORAGE SPACE THEY SHALL BE SURFACE MOUNTED OR RECESSED. INCANDESCENT FIXTURES INCANDESCENT FIXTURES SHALL HAVE COMPLETELY ENCLOSED LAMPS.

3. SURFACE MOUNTED INCANDESCENT FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 6 INCHES FROM "CLOSET STORAGE SPACE" AS DEFINED BY NEC 410.2.

3. WHEN WATER HEATERS ARE INSTALLED THEY SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE WATER HEATERS SERVED. THE BRANCH CIRCUIT SWITCH OR CIRCUIT BREAKER SHALL BE PERMITTED TO SERVE AT LEAST ONE PROVIDED STORAGE SPACE ONLY WHERE THE SWITCH OR CIRCUIT BREAKER IS WITHIN SIGHT FROM THE WATER HEATER OR IS CAPABLE OF BEING LOCKED IN THE OPEN POSITION.

4. HVAC EQUIPMENT SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE EQUIPMENT SERVED. A UNIT SWITCH WITH A MARKED "OFF" POSITION THAT IS A PART OF THE HVAC EQUIPMENT AND DISCONNECTS ALL UNGROUNDED INCANDESCENT LAMPS SHALL BE PROVIDED TO THE DISCONNECTING MEANS WHERE OTHER DISCONNECTING MEANS ARE ALSO PROVIDED BY A READILY ACCESSIBLE CIRCUIT BREAKER.

5. PRIOR TO ENERGIZING THE ELECTRICAL SYSTEM THE INTERRUPTING RATING OF THE MAIN BREAKER MUST BE DESIGNED AND VERIFIED AS BEING IN COMPLIANCE WITH ARTICLES 110.9 & 110.10 THE NEC BY LOCAL ELECTRICAL CONSULTANT.

6. THE MAIN ELECTRICAL PANEL AND FEEDERS ARE DESIGNED BY OTHERS. SITE INSTALLED AND SUBJECT TO LOCAL JURISDICTION APPROVAL.

7. ALL CIRCUITS CROSSING OVER MODULE MATING LINE(S) SHALL BE SITE CONNECTED WITH APPROVED ACCESSIBLE JUNCTION BOXES, OR CABLE CONNECTORS.

8. ALL RECEPTACLES INSTALLED IN WET LOCATIONS (EXTERIOR) SHALL BE IN WEATHER PROOF (NPT) ENCLOSURES. THE INTEGRITY OF WHICH IS NOT AFFECTED WHEN AN ATTACHMENT PLUG CAP IS INSERTED OR REMOVED. THE RECEPT-ITSELF SHALL ALSO BE LISTED FOR DAMP AND WET LOCATIONS.

MECHANICAL NOTES:

1. ALL SUPPLY AIR REGISTERS SHALL BE 10 INCHES x 10 INCHES (INSIDE) INCHES ADJUSTABLE WITH 10 INCHES x 20 INCHES (W/INSIDE) OVERHEAD FIBERGLASS DUCT, UNLESS OTHERWISE SPECIFIED. DUCTS IN UNCONDITIONED SPACES SHALL HAVE R-6 MINIMUM INSULATION EXCEPT DUCTS EXPOSED TO 10-12-14-16-18-20-22-24-26-28-30-32-34-36-38-40-42-44-46-48-50-52-54-56-58-60-62-64-66-68-70-72-74-76-78-80-82-84-86-88-90-92-94-96-98-100-102-104-106-108-110-112-114-116-118-120-122-124-126-128-130-132-134-136-138-140-142-144-146-148-150-152-154-156-158-160-162-164-166-168-170-172-174-176-178-180-182-184-186-188-190-192-194-196-198-200-202-204-206-208-210-212-214-216-218-220-222-224-226-228-230-232-234-236-238-240-242-244-246-248-250-252-254-256-258-260-262-264-266-268-270-272-274-276-278-280-282-284-286-288-290-292-294-296-298-300-302-304-306-308-310-312-314-316-318-320-322-324-326-328-330-332-334-336-338-340-342-344-346-348-350-352-354-356-358-360-362-364-366-368-370-372-374-376-378-380-382-384-386-388-390-392-394-396-398-400-402-404-406-408-410-412-414-416-418-420-422-424-426-428-430-432-434-436-438-440-442-444-446-448-450-452-454-456-458-460-462-464-466-468-470-472-474-476-478-480-482-484-486-488-490-492-494-496-498-500-502-504-506-508-510-512-514-516-518-520-522-524-526-528-530-532-534-536-538-540-542-544-546-548-550-552-554-556-558-560-562-564-566-568-570-572-574-576-578-580-582-584-586-588-590-592-594-596-598-600-602-604-606-608-610-612-614-616-618-620-622-624-626-628-630-632-634-636-638-640-642-644-646-648-650-652-654-656-658-660-662-664-666-668-670-672-674-676-678-680-682-684-686-688-690-692-694-696-698-700-702-704-706-708-710-712-714-716-718-720-722-724-726-728-730-732-734-736-738-740-742-744-746-748-750-752-754-756-758-760-762-764-766-768-770-772-774-776-778-780-782-784-786-788-790-792-794-796-798-800-802-804-806-808-810-812-814-816-818-820-822-824-826-828-830-832-834-836-838-840-842-844-846-848-850-852-854-856-858-860-862-864-866-868-870-872-874-876-878-880-882-884-886-888-890-892-894-896-898-900-902-904-906-908-910-912-914-916-918-920-922-924-926-928-930-932-934-936-938-940-942-944-946-948-950-952-954-956-958-960-962-964-966-968-970-972-974-976-978-980-982-984-986-988-990-992-994-996-998-1000-1002-1004-1006-1008-1010-1012-1014-1016-1018-1020-1022-1024-1026-1028-1030-1032-1034-1036-1038-1040-1042-1044-1046-1048-1050-1052-1054-1056-1058-1060-1062-1064-1066-1068-1070-1072-1074-1076-1078-1080-1082-1084-1086-1088-1090-1092-1094-1096-1098-1100-1102-1104-1106-1108-1110-1112-1114-1116-1118-1120-1122-1124-1126-1128-1130-1132-1134-1136-1138-1140-1142-1144-1146-1148-1150-1152-1154-1156-1158-1160-1162-1164-1166-1168-1170-1172-1174-1176-1178-1180-1182-1184-1186-1188-1190-1192-1194-1196-1198-1200-1202-1204-1206-1208-1210-1212-1214-1216-1218-1220-1222-1224-1226-1228-1230-1232-1234-1236-1238-1240-1242-1244-1246-1248-1250-1252-1254-1256-1258-1260-1262-1264-1266-1268-1270-1272-1274-1276-1278-1280-1282-1284-1286-1288-1290-1292-1294-1296-1298-1300-1302-1304-1306-1308-1310-1312-1314-1316-1318-1320-1322-1324-1326-1328-1330-1332-1334-1336-1338-1340-1342-1344-1346-1348-1350-1352-1354-1356-1358-1360-1362-1364-1366-1368-1370-1372-1374-1376-1378-1380-1382-1384-1386-1388-1390-1392-1394-1396-1398-1400-1402-1404-1406-1408-1410-1412-1414-1416-1418-1420-1422-1424-1426-1428-1430-1432-1434-1436-1438-1440-1442-1444-1446-1448-1450-1452-1454-1456-1458-1460-1462-1464-1466-1468-1470-1472-1474-1476-1478-1480-1482-1484-1486-1488-1490-1492-1494-1496-1498-1500-1502-1504-1506-1508-1510-1512-1514-1516-1518-1520-1522-1524-1526-1528-1530-1532-1534-1536-1538-1540-1542-1544-1546-1548-1550-1552-1554-1556-1558-1560-1562-1564-1566-1568-1570-1572-1574-1576-1578-1580-1582-1584-1586-1588-1590-1592-1594-1596-1598-1600-1602-1604-1606-1608-1610-1612-1614-1616-1618-1620-1622-1624-1626-1628-1630-1632-1634-1636-1638-1640-1642-1644-1646-1648-1650-1652-1654-1656-1658-1660-1662-1664-1666-1668-1670-1672-1674-1676-1678-1680-1682-1684-1686-1688-1690-1692-1694-1696-1698-1700-1702-1704-1706-1708-1710-1712-1714-1716-1718-1720-1722-1724-1726-1728-1730-1732-1734-1736-1738-1740-1742-1744-1746-1748-1750-1752-1754-1756-1758-1760-1762-1764-1766-1768-1770-1772-1774-1776-1778-1780-1782-1784-1786-1788-1790-1792-1794-1796-1798-1800-1802-1804-1806-1808-1810-1812-1814-1816-1818-1820-1822-1824-1826-1828-1830-1832-1834-1836-1838-1840-1842-1844-1846-1848-1850-1852-1854-1856-1858-1860-1862-1864-1866-1868-1870-1872-1874-1876-1878-1880-1882-1884-1886-1888-1890-1892-1894-1896-1898-1900-1902-1904-1906-1908-1910-1912-1914-1916-1918-1920-1922-1924-1926-1928-1930-1932-1934-1936-1938-1940-1942-1944-1946-1948-1950-1952-1954-1956-1958-1960-1962-1964-1966-1968-1970-1972-1974-1976-1978-1980-1982-1984-1986-1988-1990-1992-1994-1996-1998-2000-2002-2004-2006-2008-2010-2012-2014-2016-2018-2020-2022-2024-2026-2028-2030-2032-2034-2036-2038-2040-2042-2044-2046-2048-2050-2052-2054-2056-2058-2060-2062-2064-2066-2068-2070-2072-2074-2076-2078-2080-2082-2084-2086-2088-2090-2092-2094-2096-2098-2100-2102-2104-2106-2108-2110-2112-2114-2116-2118-2120-2122-2124-2126-2128-2130-2132-2134-2136-2138-2140-2142-2144-2146-2148-2150-2152-2154-2156-2158-2160-2162-2164-2166-2168-2170-2172-2174-2176-2178-2180-2182-2184-2186-2188-2190-2192-2194-2196-2198-2200-2202-2204-2206-2208-2210-2212-2214-2216-2218-2220-2222-2224-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FRAME & FLOOR

BOX SIZE: 11'-8"x56'-0"

NEW AXLES:(2+2) BEAM: 10" 1

HITCH: STD. DET. XXX

JOISTS: 2"x8" @ 16" O.C. SEE SHEAR WALL DETAIL

NOTE: DBL. FLOOR JOISTS @ SHEAR WALL

INSULATION: R-30 HIGH DENSITY

DECKING: 23/32" T&G

COVERING: 1/8" BLOCK TILE

COLOR: #51899 COOL WHITE

OUTRIGGER FRAME w/ CROSSMEMBERS & OUTRIGGERS @ 48" O.C.

USE OFFSET FLANGE

WALLS, WINDOWS, DOORS

EXT. WALLS: 2"x6" @ 16" O.C. w/DBL. TOP PLATES

INT. WALLS: 2"x4" STUDS @ 16" O.C.

PLUMBING WALL: 8" @ 24" PER PLAN

PLYWOOD SUPPORT: PORCH LIGHTS, T.P. HOLDERS, GRAB BARS , LAV & CABINET

3/4" PLYWOOD BEHIND ALL PLUMBING FIXTURES

COVERING: 1/2" VINYL COVERED GYPSUM THRU OUT

COLOR: RUFF STUFF

NOTE: SEE SHEAR WALL DETAIL

EXT. INSUL: R-21 INT. INSUL: R-11 IN R.R. ONLY

EXT. DOORS:

(2) 36"x80" H.D. ALUM. w/4"x24" V.B./LEVER HDW & DRIP CAP

INT. DOORS: (4) 36"x80" 6-PANEL w/ LEVER HDW

(3) TELL #LT3575 PASSAGE (1) TELL #LT3526 PRIVACY

WINDOWS: (7) 48"x28" H.S. WHITE VINYL/LOW-E INSUL. 1/1 w/MINI-BLINDS

ELECTRICAL SGL PHASE

ENT. PANEL: (1) 150 AMP

LIGHTS: NOTE: OCCUPANCY SENSOR SWITCHES OS

(8) 4' 2-TUBE w/ LENS

(2) EXTERIOR W.P. PORCH LIGHT w/ PHOTO CELL

(2) COMBO EXIT SIGN/EMERG. LIGHT w/ BATT. BACKUP

(1) COMBO VENT FAN/LIGHT

(1) 110V GFI RECEPT @ 44" AFF

(1) 110V EXT. W.P. GFI RECEPT (WHILE IN USE)

INSTANTANEOUS (1) CHRONOMITE UNDER LAV. WATER HEATER: #SR-30L/120-I

120V 30A (1P) #10 WIRE

(1) 110V EXT. W.P. RECEIPT UNDER UNIT FOR HEAT TAPE

(6) PHONE JACK J-BOX (BLANK COVER) w/ 1/2" CONDUIT THRU FLOOR

PLUMBING

TYPE: CPVC SUPPLY LINES

PVC WASTE LINES

WALL HUNG LAV: (1) w/ PLYWOOD SUPPORT

MIRROR: (1) 40" AFF TO BOT.

COMMODO: (1) HANDICAP (1) T.P. HOLDER

INSTANTANEOUS (1) CHRONOMITE UNDER LAV. WATER HEATER: #SR-30L/120-I

120V 30A (1P) #10 WIRE

GRAB BARS: (1) 36" (1) 42" @ 33" AFF

(1) 18" VERTICAL

(FLOOR DRAIN, PRIMER & TRAP BY OTHERS)

ROOF

2x6 TOP ROOF RAIL CLG HGT. 8'

STACKED 2x6 BOT. ROOF RAIL

45 MIL BLACK RUBBER

TRUSS: #F0138231/F0500002 @ 24" O.C.

TRANSVERSE (20-27-20) 137"

NOTE: DBL. TRUSS @ 14' SEE SHEAR WALL DETAIL

(1) EXTRA TRUSS

CEILING: 1/2" SEASPRAY

FIBERGLASS DUCT SUPPLY (R-6.5) RETURN

BRANCH DUCTED SUPPLY

INSULATION: R-49

DECKING: 7/16" FR DECK

BLOCK ROOF DECK SEAMS 4' FROM EA. END

ROOF DECKING TO BE FASTENED TO TRUSSES w/ .131 DIA.x2 1/2" NAILS @ 6" O.C. WITHIN 9' FROM END WALLS & 12" O.C. EVERYWHERE ELSE.

ATTIC VENTILATION: SEE PRINT

(1) COMBO VENT FAN/LIGHT

STRAPS 16" O.C.

EXTERIOR

SHEATHING: FULL WRAP 7/16" O.S.B. \*

FULL WRAP HOUSE WRAP

BOT. TRIM: 26 GA. STEEL

COLOR: BLACK

SIDING: 26 GA. HI RIB STEEL

COLOR: ASH GRAY

TOP TRIM: 26 GA. HI RIB STEEL

MANSARD

COLOR: BLACK

\* SIDEWALLS & ENDWALLS

CONTINUOUS FROM TOP OF TRUSS TOP CHORD TO 3/4" MINIMUM BELOW TOP OF RIM JOIST WITH ALL SHEATHING EDGES SUPPORTED BY 2"x4" LUMBER #2 S.P.F. OR BETTER FASTENED WITH 8d SINKER NAILS 3" O.C. @ EDGES AND 10" O.C. IN THE FIELD

DECALS: UNITED RENTALS

LINE WINDOW, DOOR & A/C OPENINGS w/VYCOR TAPE

WINDOW, DOOR & CORNER TRIM=BLACK UNLESS NOTED OTHERWISE.

A/C & HEAT

HVAC: (1) W36AB-A15

90 AMP #4 WIRE

HEAT: 15 KW

DUCT: FIBERGLASS DUCT

SUPPLY (R-6.5) RETURN

RETURN AIR: SEE PRINT

THERMOSTAT: PROGRAMMABLE

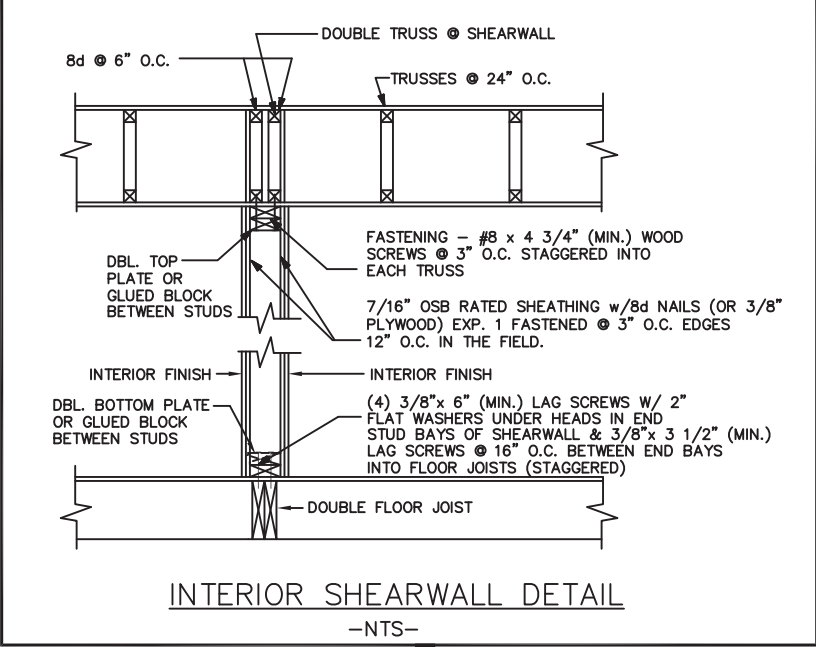
#TH4110D1007 PT

RETURN AIR OPENING

28 1/2" x 14 1/2"

20 GAUGE STRAPS 16" O.C. (7) 2"x120 NAIL ON EA. END OF STRAP

15 KW HEAT STRIPS 90 AMP #4 WIRE

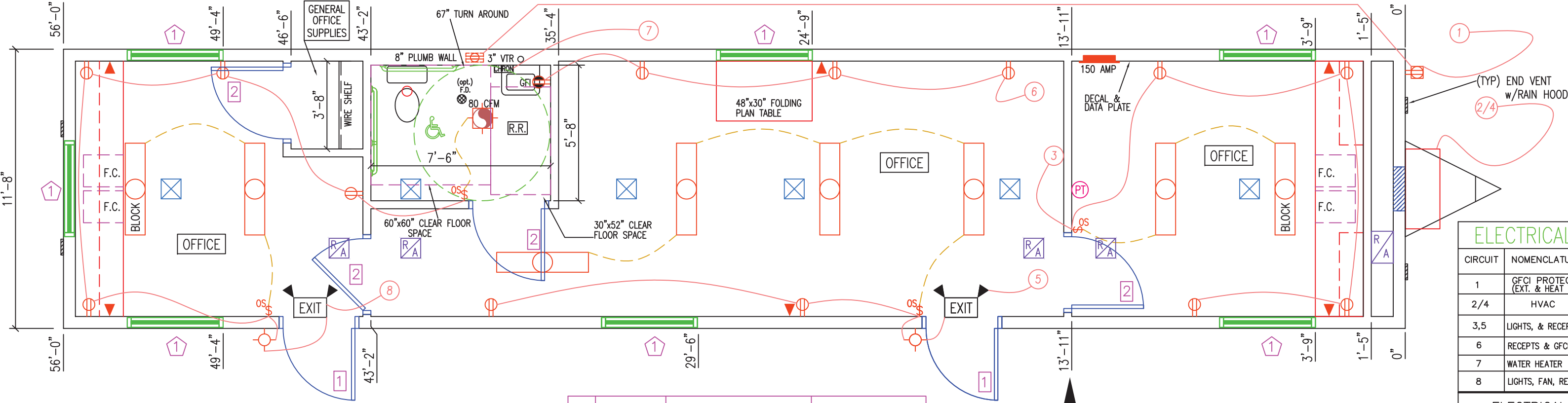


20 GAUGE STRAPS 16" O.C. (7) 2"x120 NAIL ON EA. END OF STRAP

(6) 3"x.131" NAILS EA. 2x6 BOT. ROOF RAIL TO TRUSS

FURNITURE: (2) 127 3/4" x 24" FORMICA DESKTOPS w/ 2-F.C.'s (1) 127 3/4" x 12" WIRE OVERHEAD SHELF (2) 42" x 12" WIRE OVERHEAD SHELVES (1) 48"x30" FOLDING PLAN TABLE FORMICA COLOR: GRAY

NOTE: ALL INTERIOR WALL AND CEILING FINISHES SHALL BE CLASS A OR BETTER IN CORRIDORS, AND CLASS B OR BETTER IN ROOMS AND ENCLOSED SPACES; CARPET SHALL BE CLASS II OR BETTER.



| # | SIZE    | DESCRIPTION      | FRAME/GLASS           |
|---|---------|------------------|-----------------------|
| 1 | 48"x28" | HORIZONTAL SLIDE | VINYL LOW-E INSULATED |

| # | SIZE    | JAMB    | DESCRIPTION                       | HARDWARE |
|---|---------|---------|-----------------------------------|----------|
| 1 | 36"x80" | ALUM.   | ALUM. w/4"x24"V.B. (SAFETY GLASS) | LEVER    |
| 2 | 36"x80" | PLASTIC | 6 PANEL HOLLOW CORE               | LEVER    |

| CIRCUIT | NOMENCLATURE                      | BREAKER (AMPS) | WIRE (CU.)   |
|---------|-----------------------------------|----------------|--------------|
| 1       | GFCI PROTECTED (EXT. & HEAT TAPE) | 20 A           | 12-2 NM      |
| 2/4     | HVAC                              | 90A(2P)        | 4-2 #8 GRND. |
| 3,5     | LIGHTS, & RECEIPTS                | 20 A           | 12-2 NM      |
| 6       | RECEIPTS & GFCI                   | 20 A           | 12-2 NM      |
| 7       | WATER HEATER                      | 30A(1P)        | 10-2 NM      |
| 8       | LIGHTS, FAN, RECEIPTS             | 20 A           | 12-2 NM      |

| ELECTRICAL PANEL SIZING      |             |
|------------------------------|-------------|
| DESCRIPTION                  | KVA         |
| GENERAL LIGHTING             |             |
| .0035 KW/SF X 654 SF X 1.25= | 2.86        |
| .16 RECEIPTS AT 180VA/1000=  | 2.88        |
| WATER HEATER 3.6 KW X 1.25=  | 4.5         |
| 1 FAN AT .3 KW X 1.25=       | 0.38        |
| HVAC                         | 15.90       |
| TOTAL 26.52 KW               |             |
| TOTAL/240 X 1000=            | 110.50 AMPS |
| INSTALL 150 AMP PANEL        |             |
| 120/240 V 1Ø                 |             |

|        |                                                                          |
|--------|--------------------------------------------------------------------------|
|        | ELECTRICAL DISTRIBUTION PANEL                                            |
|        | 110V EXT. W.P. GFI RECEPT (WHILE IN USE)                                 |
|        | DUPLEX RECEPTACLE 120V                                                   |
| GFI    | 110V GFI RECEPT @ 44" AFF                                                |
|        | QUAD RECEPTACLE 120V                                                     |
|        | SGL. RECEPTACLE 220V                                                     |
|        | 110V EXT. W.P. HEAT TAPE RECEPT                                          |
| J-BOX  | J-BOX w/CONDUIT STUB FOR PHONE/DATA                                      |
| \$\$\$ | SWITCH, 3-WAY, OCCUPANCY SENSOR, DIMMER                                  |
| LED    | LED FIXTURE w/2-22W TUBES (44W INPUT WATTAGE)                            |
| LED    | LED FIXTURE w/1-13W SPIRAL (13W INPUT WATTAGE)                           |
|        | EXHAUST FAN 180 CFM 350 CFM                                              |
|        | COMBO EXHAUST FAN/LIGHT 80 CFM EXHAUST FAN/13W LIGHT (13W INPUT WATTAGE) |
| PT     | PROGRAMMABLE THERMOSTAT                                                  |
| EXIT   | EXIT SIGN W/BATT. BACK-UP                                                |
| EXIT   | DIRECTIONAL EXIT SIGN W/BATT. BACK-UP                                    |
| EXIT   | COMBO EXIT SIGN/DUAL HEAD EMERG. LIGHT W/BATT. BACK-UP                   |
| E      | DUAL HEAD EMERG. LIGHT W/BATT. BACK-UP                                   |

TEXAS INDUSTRIALIZED BUILDING CODE COUNCIL

This document is approved pursuant to the Industrialized Housing and Buildings Act.

DRA No. 21 IBC IIRC

Date: 02 09 2022

DRA Signature: [Signature]

EMC

R. JOHNSON

APPROVED

02 09 2022

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TR Custom INCORPORATED

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SUBMITTAL #TRC-5183 AL/GA/FL/NC/SC/VA/LA/TX

UNITED RENTALS (STOCK) 11'-8"x56'-0" BUSINESS

SERIAL #2242984-2243003

DATE: JANUARY 28, 2021

DRAWN BY: DRS

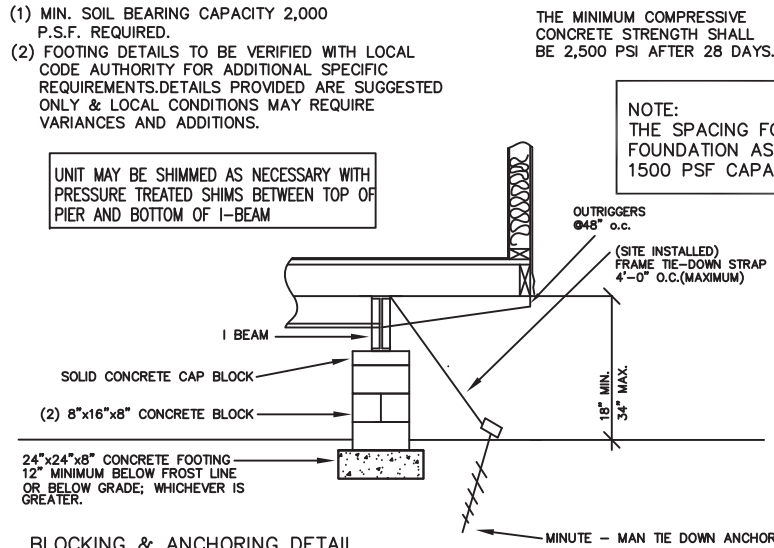
SCALE: NOTED SHEET #: 2 of 3

DESTINATION: STOCK (UNKNOWN)



FOUNDATION NOTES:

1. ALL FOUNDATION CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
2. TIE-DOWN STRAPS TO BE 1-1/4"x .035" TYPE-1, FINISH B, GRADE 1 ZINC COATED STEEL STRAPPING CERTIFIED BY A REGISTERED ENGINEER OR ARCHITECT AS CONFORMING WITH ASTM D3953-91. TIE DOWN STRAPS AND CONNECTING HARDWARE SHALL HAVE 3150# MINIMUM WORKING CAPACITY.
3. EACH GROUND ANCHOR SHALL HAVE A WORKING CAPACITY NO LESS THAN THE SUM OF THE REQUIRED WORKING CAPACITIES OF ALL TIE DOWN STRAPS CONNECTED TO THE GROUND ANCHOR, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. DESIGN OF GROUND ANCHOR, INCLUDING SHAFT LENGTH, NUMBER AND DIAMETER OF HELICES, ETC., TO BE AS SPECIFIED BY THE GROUND ANCHOR MANUFACTURER FOR THE ACTUAL SOIL TYPE ENCOUNTERED. IF THE HOLDING OR PULLOUT CAPACITIES OF GROUND ANCHORS ARE BELOW THE ASSUMED DESIGN VALUES, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR AN ALTERNATE ANCHORAGE DESIGN.
4. THE FIRST TIE-DOWN STRAP FROM ENDWALLS SHALL NOT EXCEED 1/2 THE MAXIMUM SPACING INDICATED.
5. ALL PIERS SHALL BE CONSTRUCTED OF CONCRETE MASONRY UNITS CONFORMING TO ASTM C90. MASONRY UNITS SHALL BE LAID IN TYPE M OR S MORTAR OR COVERED WITH SURFACE BONDING CEMENT INSTALLED IN ACCORDANCE WITH ITS LISTING. PIER FOOTINGS SHALL BE AS DESCRIBED ABOVE.
6. MINIMUM CONCRETE FOOTING COMPRESSIVE STRENGTH 2,500 PSI AT 28 DAYS.
7. ALL REINFORCEMENT BARS SHALL COMPLY WITH ASTM A615, GRADE 60. REINFORCEMENT BARS SHALL BE EQUALLY SPACED AND PLACED WITH 3" CLEARANCE FROM BOTTOM AND SIDES OF THE FOOTING.
8. SEE SHEET ONE FOR DESIGN LOADS.
9. I-BEAM SUPPORT PIERS MAY BE INSTALLED LATERALLY (90° FROM THE ORIENTATION SHOWN ON THE FOUNDATION PLAN). CENTERLINE OF EACH PIER MUST BE LOCATED DIRECTLY BELOW THE I-BEAM CENTERLINE.
10. SOIL BEARING CAPACITY SHOWN ON THIS PLAN IS ASSUMED. IF THE ACTUAL SOIL BEARING CAPACITY IS LESS THAN 2,000 PSF, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR REQUIRED ALTERNATE FOUNDATION DESIGN. FOOTINGS SHALL BE PLACED ON NON-EXPANSIVE SOILS ONLY.
11. INSTALL BLOCK PIER ON EACH SIDE OF ALL EXTERIOR DOOR OPENINGS. (MANUFACTURER'S RECOMMENDATION ONLY - OPTIONAL WHEN NOT SHOWN) SLIGHT ADJUSTMENT MAY BE REQUIRED TO INSURE OPENABILITY AFTER INSTALLATION OF BUILDING IS COMPLETE.
12. THE AREA UNDER FOOTINGS AND FOUNDATIONS SHALL HAVE ALL VEGETATION, STUMPS, ROOTS, AND FOREIGN MATERIALS REMOVED PRIOR TO THEIR CONSTRUCTION.
13. THE FOUNDATION DIMENSIONS SHOWN ARE NOMINAL. AN INCREASE IN MODULE WIDTH SHOULD BE EXPECTED DUE TO MODULE EXPANSION, SETTING TOLERANCES, ETC. THE FOUNDATION CONTRACTOR SHOULD CONSULT WITH THE MANUFACTURER OF THE MODULES PRIOR TO CONSTRUCTION OF THE FOUNDATION TO DETERMINE THE AMOUNT OF INCREASED WIDTH TO BE ADDED TO THE NOMINAL DIMENSIONS SHOWN ABOVE.

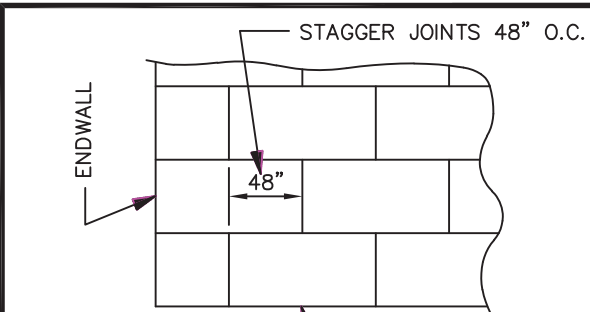


BLOCKING & ANCHORING DETAIL

REINFORCED PER LOCAL SOIL CONDITIONS

TIE DOWN STRAPS TO BE 1-1/4" x .035" GALVANIZED STEEL TYPE-1, FINISH-B, GRADE -1.

TIE DOWN STRAPS AND CONNECTING HARDWARE SHALL HAVE A MINIMUM WORKING CAPACITY OF 3,150 LBS.



VENTILATION REQUIRED TO BE 1/150 th OF TOTAL ROOF AREA MINIMUM

PLUMBING VENT MIN. 6" ABOVE ROOF (IF APPLICABLE)

MULE HIDE (ICC/ESR-1463) .045 MIL BLACK EPDM ROOF 7/16" FR DECK PANEL MULE HIDE (ICC/ESR-1365)

MIN. 2X4 S.Y.P. #2 FASTENED w/(3) .128" DIA. x3" NAILS

(2) 2X6 S.Y.P. #2 FASTENED w/(6) .131" DIA. x3" NAILS EA. 2x6

OSB or plywood bearing strip the same thickness as the ceiling material at all bearing walls and columns.

ROOF TO STUD STRAPPING 1.50"x20"x20 GA. GALVANIZED STRAP @ 16" O.C. MAX. (7) 2"x120 NAIL ON EA. END OF STRAP

7/16" O.S.B. BELT RAIL

ELECTRICAL DADO

2"x8" PERIMETER JOIST (#2 SYP OR BETTER)

2"x6" EXT. STUDS @ 16" O.C. #2 SPF OR BETTER

2"x4" INT. STUDS @ 16" O.C. #2 SPF OR BETTER

96"

2"x6" EXT. TOP PLATE #2 SPF OR BETTER

R-49 INSULATION

DBL 2"x6" EXT. TOP PLATE #2 SPF OR BETTER

DUCT DUCT

NATIONAL GYPSUM 1/2" TEXTURED GYPSUM CEILING BOARD CLASS "A" ADHERED TO TRUSS w/ FOAM NAIL-P TWO PART PER PEI REPORT # PER-05007

1/2" VINYL COVERED GYP PER PLANS

R-21 INSULATION

2"x6" EXT. BOTTOM PLATE #2 SPF OR BETTER

VINYL TILE OR COMMERCIAL CARPET

R-30 HD INSULATION (R-28 EFFECTIVE)

2 x 8 JOISTS @ 16" O.C. #2 SYP OR BETTER

10" I-BEAM

(ASTMA 50) CROSSMEMBERS @ 48" O.C.

(ASTMA 36) OUTRIGGERS @ 48" O.C.

TIE-DOWN ANCHOR

.040 ASPHALT BOTTOM BOARD

FRAME TIE-DOWN STRAP

TYP. CROSS-SECTION N.T.S.

ROOF SHEATHING DETAIL

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